

CAR STEREO REVIEW

From the Editors of Stereo Review

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SOPHISTICATED SYSTEMS
ROAD TESTS: Two New CD Changers
BUYING GUIDE TO AMPS
CELLULAR PHONES



**Williston
Audio Labs**
Not for Resale

AMPLIFIERS

In the following twenty-one pages you will find in-depth information on current autosound power amplifiers. Listings include installation restrictions, features, specifications, and prices.

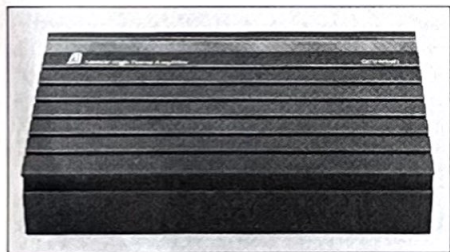
Specifications have been supplied by the manufacturers, and they have not been verified by CSR lab tests. We advise you not to base your entire purchasing decision on specs.

Note that all prices listed in this guide are manufacturers' suggested retail prices, also known as "list" prices. Actual selling prices vary from dealer to dealer.

ACOUSTIC RESEARCH

GCS 80/40 80-Watt Power Amplifier

4 channels; bridgeable. 80 W/ch rms, 120 W/ch peak (2 ch); 40 W rms, 60 W peak (4 ch) into 4 ohms. Features auto power on/off; pulse-regulated power supply; overload protection; thermal protector; speaker screw terminals; RCA input jacks. FR 10-80,000 Hz ± 3 dB; THD 0.2% at half power; S/N 100 dB; 10 $\frac{5}{8}$ x 2 $\frac{5}{32}$ x 8 $\frac{1}{32}$ in; 6.16 lb \$375



Acoustic Research GCS 80/40

a/d/s/

PQ20 400-Watt Power Amplifier

Bridgeable 4-, 3-, or 2-channel power amplifier with discrete high-current output devices; 600-W power supply. Features fully complementary symmetry direct-DC-coupled Class AB design; high-density cast-aluminum chassis. 80 W/ch x 4, 200 W/ch x 2, or 200 W x 1 + 80 W/ch x 2 into 4 ohms from 20-20,000 Hz with <0.05% THD. 2-ohm capable . \$720

PH15 300-Watt Power Amplifier

Bridgeable 6-, 5-, 4-, or 3-channel power amplifier with discrete high-current output devices; 600-W power supply. Features complementary symmetry direct-DC-coupled Class AB design; high-density cast-aluminum chassis. 50 W/ch x 6, 50 W/ch x 4 + 100 W x 1,

100 W/ch x 2 + 50 W/ch x 2, or 100 W/ch x 3 into 4 ohms from 20-20,000 Hz with <0.05% THD. 2-ohm capable \$600

PQ10 160-Watt Power Amplifier

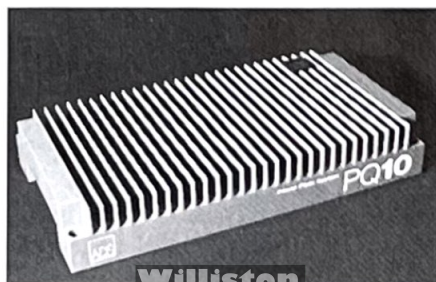
Bridgeable 4-, 3-, or 2-channel power amplifier with discrete high-current output devices; 350-W power supply. Features complementary symmetry direct-DC-coupled Class AB design; high-density cast-aluminum chassis. 40 W/ch x 4, 40 W/ch x 2 + 80 W x 1, or 80 W/ch x 2 into 4 ohms from 20-20,000 Hz with <0.05% THD. 2-ohm capable \$460

PH12 120-Watt Power Amplifier

Dedicated 6-channel power amplifier with discrete high-current output devices and direct-DC-coupled Class AB biased design. 20 W/ch x 6 into 4 ohms from 20-20,000 Hz with <0.3% THD, 35 W/ch into 2 ohms from 20-20,000 Hz with <0.5% THD \$330

PS5 80-Watt Power Amplifier

Bridgeable 2- or single-channel power amplifier with discrete high-current output devices; 200-W power supply. Features complementary symmetry direct-DC-coupled Class AB design; cast-aluminum chassis. 40 W/ch x 2 or 90 W mono into 4 ohms from 20-20,000 Hz with <0.05% THD. 2-ohm capable . \$280



a/d/s/ PQ10

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PQ8 80-Watt Power Amplifier

Dedicated 4-channel power amplifier with discrete high-current output devices and direct-DC-coupled Class AB design. 20 W/ch x 4 into 4 ohms from 20-20,000 Hz with <0.3% THD, 35 W/ch x 4 into 2 ohms from 20-20,000 Hz with <0.5% THD \$210

AIWA

MA-6000 130-Watt Power Amplifier

2 channels; bridgeable. 100 W/ch peak, 65 W/ch into 4 ohms with 1% THD (2/ch); 220 W peak, 120 W into 4 ohms from 20-20,000 Hz with 0.5% THD (mono). Features DC-DC converter-type power supply; input sensitivity variable from 300 mV-2 V; direct battery connection; auto remote power-on. FR 10-60,000 Hz; S/N 98 dB. 9 $\frac{7}{8}$ x 6 $\frac{5}{8}$ x 2 $\frac{1}{16}$ in . . \$250



Aiwa MA-6000

MA-3000 70-Watt Power Amplifier

2 channels; bridgeable. 65 W/ch peak, 35 W/ch into 4 ohms with 1% THD (2/ch); 150 W peak, 60 W into 4 ohms from 20-20,000 Hz with 0.5% THD (mono). Features DC-DC power supply; input sens 300 mV-2 V; auto remote power. FR 10-60,000 Hz; S/N 94 dB. 8 $\frac{1}{16}$ x 6 $\frac{5}{8}$ x 2 $\frac{1}{16}$ in \$180

ALPHASONIK

MA-2300 600-Watt Power Amplifier

2 channels; bridgeable. 300-W/ch Class A stereo amp operates into 4 or 2 ohms. Features complementary symmetry circuitry; Permactect protection; continuously variable low-level inputs (100 mV-1 V); high-efficiency power supply using MOSFET technology, and current-mode pulse-width-modulated voltage regulation. Bridgeable into mono for 600 W rms. THD at rated output into 4 ohms 0.01%; frequency response 20-20,000 Hz +0.5 dB; signal-to-noise ratio 98 dB... \$990
MA-2150. Same as MA-2300 except 150 W/ch rms stereo, 300 W rms bridged... \$550
MA-2101. Same as MA-2300 except 100 W rms stereo, 200 W bridged mono and continuously variable low- and high-level inputs (100 mV-10 V)... \$435
F-23. Optional fan for MA-2300... \$110

MA-2070 140-Watt Power Amplifier

2 channels; bridgeable. 70-W/ch power amplifier with MOSFET switching-power-supply. Features complementary symmetry circuitry; continuously variable low- or high-level input (100 mV-10V). Bridgeable into mono (140 W rms) without an adaptor, THD at rated power into 4 ohms 0.05%; frequency response 20-20,000 Hz +0.5 dB; signal-to-noise ratio greater than 90 dB... \$297
MA-2050. Same as MA-2070 except 50 W/ch stereo and 100 W rms bridged... \$220
MA-2025. Same as MA-2070 except 25 W/ch rms stereo and 50 W rms bridged... \$138

MAS-1100 100-Watt Power Amplifier

100-W rms mono subwoofer/bass amplifier with Permactect protection. Features MOSFET PWM power supply; high- or low-level input; volume control; parametric bass EQ; high-pass or bi-pass outputs; RCA jacks. THD at rated output into 4 ohms 0.05%... \$275

MA-2035 70-Watt Power Amplifier

2 channels; bridgeable. 35-W/ch Class A power amp with MOSFET switching-power-supply. Features full-complementary symmetry circuitry; variable low- or high-level input

(100 mV-10 V). Bridgeable into mono (70 W rms) without an adaptor. THD at rated power into 4 ohms 0.01%; FR 20-20,000 Hz +5 dB; signal-to-noise ratio >90 dB... \$204

MAS-1060 60-Watt Power Amplifier

60-W rms mono subwoofer/bass amplifier with Permactect protection. Features MOSFET-power-supply technology; high- or low-level input; volume control; parametric bass EQ; bi-pass outputs; RCA jacks. THD at rated output into 4 ohms 0.05%... \$160

A-4018II 72-Watt Power Amplifier

4 channels. 18-W/ch x 4 channels power amp with Permactect protection. Features continuously variable low- or high-level inputs (100 mV-2.5 V); RCA or DIN inputs. S/N >75 dB... \$99

A-2018III 36-Watt Power Amplifier

18-W/ch power amp with Permactect protection. Features continuously variable low- or high-level inputs (100 mV-2.5 V); RCA or DIN inputs; delay turn-on. S/N >80 dB; FR 20-20,000 Hz... \$69

ALPINE

3537 160-Watt Power Amplifier

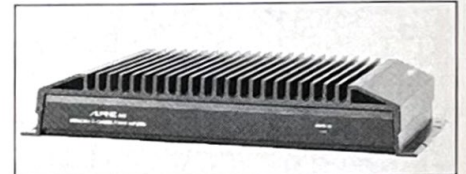
2 channels; bridgeable. 80 W/ch into 4 ohms from 20-20,000 Hz with 0.04% THD (2 ch); 200 W into 4 ohms (bridged mode). Features DIN and RCA inputs; 100 mV to 2 V variable input sensitivity; PWM power supply; remote on/off; speaker imp selector (4 ohm/2 ohm). Inputs switchable for line-level or amplified signal. S/N 110 dBA; FR 10-50,000 Hz -1 dB. 11¹/₁₆ x 2³/₁₆ x 7⁷/₈ in... \$470

3530 160-Watt Power Amplifier

4 channels; bridgeable. 40 W x 4 into 4 ohms from 20-20,000 Hz with 0.08% THD (4 ch); 85 W x 2 with 0.8% THD (2 ch bridged mode). Features DIN and RCA inputs; 100 mV to 2 V variable input sens; PWM power supply; remote on/off; speaker imp selector; inputs switchable for line-level or amplified signal. S/N 105 dBA; FR 10-50,000 Hz -1 dB. 11¹/₁₆ x 2³/₁₆ x 7⁷/₈ in... \$430

3533 120-Watt Power Amplifier

2 channels; bridgeable. 60 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD (2 ch); 100 W into 4 ohms with 0.8% THD (bridged mode). Features DIN and RCA inputs; 500 mV to 2 V variable input sens; pulse regulated power supply; remote on/off; speaker imp selector (4 or 2 ohms). Switch for line-level or amplified signal. S/N 100 dBA; FR 10-70,000 Hz -1 dB. 11³/₄ x 2 x 6¹⁵/₁₆ in... \$370



Alpine 3528

3528 120-Watt Power Amplifier

4 channels; bridgeable. 30 W x 4 into 4 ohms from 20-20,000 Hz with 0.08% THD (4 ch); 80 W x 2 with 0.8% THD (2 ch bridged mode). Features DC to DC switching mode power supply; common-mode detection circuit; isolated signal ground; toroidal power transformer; soft start circuitry; DIN and RCA inputs. Input sens/imp: 500 mV/10 kilohms (fixed), 100 mV-2 V/10 kilohms (variable). FR 10-50,000 Hz; S/N 105 dBA. 10¹/₁₆ x 2³/₁₆ x 6⁷/₈ in... \$330

3520 150-Watt Power Amplifier

Mono power amplifier. 150 W from 20-20,000 Hz into 4 ohms with 0.08% THD; 200 W into 2 ohms with 0.8% THD. Features DIN and RCA inputs; 100 mV to 2 V variable input sens; L/R/L+R input selector; PWM power supply; remote on/off. Switch for line-level or amplified signal. S/N 105 dBA; FR 10-40,000 Hz -1 dB; speaker imp 4 ohms; input imp 10 kilohms... \$300

3525 120-Watt Power Amplifier

2 channels; bridgeable. 60 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD (2 ch); 160 W into 4 ohms with 0.8% THD (bridged mode). Features bridged/stereo mode switch; DC-DC switching power supply; remote power on/off; DIN/RCA inputs; input sens selector; speaker imp 4 or 2 ohms stereo, 4 ohms bridged. FR 10-50,000 Hz +0/-1 dB; S/N 105 dB. Input sens/imp 500 mV/10 kilohms (fixed), 100 mV-2 V/10 kilohms (variable). 10¹/₁₆ x 2¹/₁₆ x 6¹/₄ in... \$300

3521 100-Watt Power Amplifier

2 channels. 50 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD (2 ch). Features DC-DC power supply; isolated ground; toroidal power transformer; power supply input/output filters; remote-on; DIN and RCA inputs. FR 10-50,000 Hz -1 dB; S/N 105 dBA. 9⁷/₁₆ x 2³/₁₆ x 1¹/₄ in... \$270

3523 80-Watt Power Amplifier

2 channels; bridgeable. 40 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD (2 ch);

Abbreviations

BTL - balanced transformerless
 dB - decibels
 dBA - decibels (A-weighted)
 DIN - Deutsche Industrie Normen
 EMI - electromechanical interference
 EQ - equalizer, equalization
 FET - field-effect transistor
 FR - frequency response
 Hz - hertz
 IC - integrated circuit
 IHF - Institute of High Fidelity
 IMD - intermodulation distortion
 imp - impedance
 in - inches
 kHz - kilohertz
 LED - light-emitting diode
 µs - microseconds

mA - milliamp
 MOSFET - multiple-oxide-semiconductor field-effect transistor
 ms - milliseconds
 mV - millivolt
 µV - microvolt
 RFI - radio frequency interference
 sens - sensitivity
 sep - separation
 SMPTE - Society of Motion Picture and Television Engineers
 S/N - signal-to-noise ratio
 THD - total harmonic distortion
 TIM - transient intermodulation distortion
 V - volt
 W - watt
 W/ch - watts per channel

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100 W into 4 ohms with 0.8% THD (bridged mode). Features bridged/stereo modes; DC-DC switching mode power supply; remote power on/off; DIN/RCA inputs; input sens selector; speaker imp 4 or 2 ohms stereo, 4 ohms bridged mono. FR 10-50,000 Hz $\pm 0/-1$ dB; s/N 105 dB. Input sens/imp 500 mV/10 kilohms (fixed), 100 mV-2 V/10 kilohms (variable). 10 $\frac{1}{16}$ x 2 $\frac{1}{16}$ x 5 $\frac{1}{2}$ in. \$230

3519 60-Watt Power Amplifier

2 channels. 30 W/ch from 20-20,000 Hz into 4 ohms with 0.08% THD (2 ch). Features 100 mV to 2 V variable input sens; DIN and RCA inputs; PWM power supply; remote on/off; speaker imp selector (4 ohm/2 ohm); Switch for line-level or amplified signal. s/N 105 dBA. 9 $\frac{1}{16}$ x 2 $\frac{3}{16}$ x 5 $\frac{1}{2}$ in. \$220

3517 60-Watt Power Amplifier

2 channels. 30 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD. Features DC to DC power supply; isolated signal ground; toroidal power transformer; power supply input/output filters; 4 ohms/2 ohms rated; discrete output circuitry; protection circuitry; remote-on; DIN and RCA inputs; variable input sens. FR 10-50,000 Hz ± 1 dB; s/N 85 dBA. 7 $\frac{7}{8}$ x 1 $\frac{1}{16}$ x 5 $\frac{1}{8}$ in. \$170

3510 72-Watt Power Amplifier

4 channels. 13 W/ch from 30-20,000 Hz into 4 ohms with 0.8% THD. Features balanced transformerless circuitry; remote on/off; separate front and rear line and speaker level inputs; small size. Inputs switchable to accept line-level signal or amplified signal. s/N 90 dBA; 18 W/ch at 1,000 Hz with 8% THD; FR 20-30,000 Hz ± 3 dB; input sens 500 mV at 10 kilohms. 7 $\frac{1}{8}$ x 1 $\frac{3}{16}$ x 4 $\frac{5}{16}$ in. \$130

3505 36-Watt Power Amplifier

2 channels. 13 W/ch from 30-20,000 Hz into 4 ohms with 0.8% THD. Features BTL circuitry; remote on/off; small size. Inputs switchable to accept line-level signal or amplified signal. s/N 90 dBA; 18 W/ch at 1,000 Hz with 8% THD; FR 20-30,000 Hz ± 3 dB. \$85

ALTEC LANSING

ALA-435 140-Watt Power Amplifier

4 channels; bridgeable. 35 W/ch into 4 ohms from 20-20,000 Hz with 0.1% THD (4/ch); 70 W/ch into 4 ohms with 0.18% THD (bridged for 2/ch). Features Dynamic Stored Energy circuit for 5 dB dynamic headroom; 4 high- and low-level inputs; individual level control for each 35 W amp; RCA and 9-pin connectors; thermal, short-circuit, and overload protection. FR 10-40,000 Hz; input imp 10 kilohms (low-level), 22 ohms (high level); s/N >95 dB. 2 $\frac{1}{32}$ x 1 $\frac{11}{16}$ x 7 $\frac{7}{8}$ in. \$400

ALA-270 140-Watt Power Amplifier

2 channels; bridgeable. 70 W/ch into 4 ohms from 20-20,000 Hz with 0.1% THD (2/ch); 140 W into 4 ohms with 0.18% THD (bridged mono). Features Dynamic Stored Energy cir-

cuit for 5 dB dynamic headroom; RCA and 9-pin connectors; thermal, short-circuit, and overload protection. FR 10-40,000 Hz; input imp 10 kilohms (low-level), 22 ohms (high level); signal-to-noise ratio >95 dB. 2 $\frac{11}{32}$ x 1 $\frac{11}{16}$ x 7 $\frac{7}{8}$ in. \$360

AUDIA

AFX-80 40-Watt Power Amplifier

2 channels. 40 average W/ch from 20-20,000 Hz into 4 ohms with 0.5% THD (per IHF A-202). Features 1.5-dB dynamic headroom. Inputs accept line-level signals. s/N 90 dBA. 6 lb; 9 x 2 $\frac{1}{2}$ x 8 in. \$300

AFX-40 20-Watt Power Amplifier

2 channels. 20 average W/ch from 20-20,000 Hz into 4 ohms with 0.5% THD (per IHF A-202). Features 1.5-dB dynamic headroom. Inputs accept line-level signals. s/N 90 dBA. 4 lb; 7 x 2 $\frac{1}{2}$ x 8 in. \$220

AFX-20 40-Watt Power Amplifier

4 channels; bridgeable. 10 W x 4 (4 ch); 20 W/ch x 2 (2 ch); Features bridging selector; RCA inputs; 1" high thin chassis. \$100

AUDIOMOBILE

SA-1600 160-Watt Power Amplifier

4 channels. 40 W x 2 into 4 ohms (satellite amp section) + 40 W x 2 into 2 ohms (subwoofer amp section) at any frequency with <0.05% THD. Features 4-channel biampifier design; front/rear fader; built-in crossover. Satellite amp: FR 600-20,000 Hz $\pm 0.5/-1$ dB; THD less than 0.03% at rated output. Subwoofer amp section: FR 20-72 Hz $\pm 0/-3$ dB; THD less than 0.03% at rated output. Crossover frequencies-slope: 85 Hz-12 dB/oct (subwoofer), 220 Hz-12 dB/oct (satellites). s/N 110 dBA; min input imp 47 kilohms. 4 $\frac{3}{4}$ x 15 $\frac{1}{2}$ x 2 in. \$598
SA-1200. As above except satellite amp section delivers 20 W/ch. \$536

AUTOTEK

7600 600-Watt Power Amplifier

2 channels; bridgeable. 900 W into 4 ohms (bridged); 300 W/ch (2 ch) into 4 ohms from 20-20,000 with <0.015% THD. Discrete transistor, complementary design; PWM power supply; short-circuit, DC, and thermal protection. IMD 0.02%; FR 10-150,000 Hz at 1 watt; ch sep >80 dB; s/N 102 dB; slew rate 45 V/ μ s. 10 x 2 $\frac{3}{4}$ x 19 in. \$1,000



Altec Lansing
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7200 200-Watt Power Amplifier

2 channels; bridgeable. 350 W into 4 ohms (bridged); 100 W/ch (2 ch) into 4 ohms from 20-20,000 with less than 0.015% THD. Discrete transistor, complementary design; PWM power supply; short-circuit, DC, and thermal protection. IMD 0.02%; FR 10-150,000 Hz at 1 watt; ch sep >80 dB; s/N 100 dB; slew rate 30 V/ μ s. 10 x 2 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in. \$600

7100 120-Watt Power Amplifier

2 channels; bridgeable. 180 W into 4 ohms (bridged); 60 W/ch (2 ch) into 4 ohms from 20-20,000 with <0.015% THD. Discrete transistor, complementary design; PWM power supply; short-circuit, DC, and thermal protection. IMD 0.02%; FR 10-150,000 Hz at 1 watt; ch sep >80 dB; s/N 95 dB; slew rate 20 V/ μ s. 10 x 2 $\frac{3}{4}$ x 19 in. \$400

A-441 200-Watt Power Amplifier

4 channels. 50 W/ch (4 ch) into 4 ohms with <10% THD; 42 W/ch (4 ch) into 4 ohms with <1% THD. Short-circuit, ground, and thermal protection; adjustable input sens; low- or high-level input; remote on-off switching; turn-on delay circuit. FR 20-30,000 Hz; s/N 62 dB; ch sep 50 dB. 8 $\frac{1}{2}$ x 3 x 9 in. \$300

A-231 130-Watt Power Amplifier

2 channels; bridgeable. 130 W into 8 ohms (bridged); 65 W/ch into 4 ohms with <0.5% THD. Short-circuit, ground, and thermal protection; adjustable input sens; low- or high-level input; remote on-off switching; turn-on delay circuit; internal fuse. s/N 90 dB; low-level input sens 100-1,000 mV. 6 $\frac{1}{2}$ x 3 x 9 inches. \$220

A-181 80-Watt Power Amplifier

2 channels; bridgeable. 80 W into 8 ohms (bridged); 40 W/ch into 4 ohms with <0.5% THD. Short-circuit, ground, and thermal protection; adjustable input sens; low- or high-level input; remote on-off switching; turn-on delay circuit; internal fuse. s/N 90 dB; low-level input sens 100-1,000 mV. 6 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x 7 inches. \$190

A-161 36-Watt Power Amplifier

2 channels. 18 W/ch (max output); 10 W/ch into 4 ohms with 1% THD. Compact chassis design; short-circuit protection; adjustable input sens; low- or high-level input; remote on-off switching; turn-on delay circuit; RCA and 8-pin DIN inputs. s/N >75 dB; FR 20-20,000 Hz ± 1 dB. 4 x 1 $\frac{1}{4}$ x 4 $\frac{3}{4}$ in. \$80

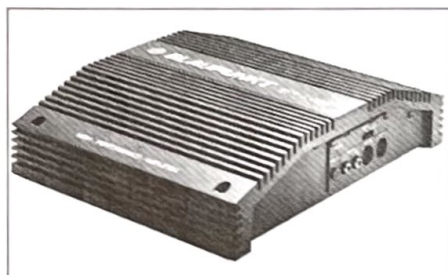
BLAUPUNKT

BPA 2120B 240-Watt Power Amplifier

2 channels; bridgeable. 120 W/ch (2 ch); 240 W (bridged mode). Features dual DC-to-DC step up power supplies; toroidal power transformers; variable input sensitivity; thermal protection circuit. 100 W/ch with <0.2% THD; 200 W mono with <0.2% THD; input sens 300 mV-6 V; subwoofer crossover rolls off above 80 Hz 18 dB/octave. \$470

BPA 430 120-Watt Power Amplifier

Power amp with high current capacity. Features unified power modules; protection circuits; common ground capability; digital pulsed power supply. Inputs accept line-level signals. Power output 4 x 30 average W/ch from 10-30,000 Hz into 4 ohms with less than 1% THD; S/N 90 dB; ch sep 60 dB; dynamic headroom 2 dB; input sens 100 mV-6 volts; input connector RCA or DIN. 2.75 lb; 7 $\frac{3}{16}$ x 2 $\frac{1}{4}$ x 10 $\frac{1}{16}$ in \$280



Blaupunkt BPA 2120B

BPA 230B 60-Watt Power Amplifier

2-channel amplifier rated at 30 W/ch into a 4-ohm load from 10-30,000 Hz with <1% THD. Outputs bridgeable to single ch for 60-W mono output. Features DIN and RCA inputs; variable input sens for high- or low-level sources; ultra-quiet PWM DC-to-DC power supply; Blaupunkt's Anti-knock circuit to prevent turn-on noise. FR (to -3 dB) 10-60,000 Hz; S/N 91 dB; ch sep 60 dB; input sens 0.1-6 V; input imp 10 kilohms; current draw at maximum power output 24 amperes. 5 $\frac{7}{8}$ x 2 $\frac{3}{8}$ x 9 $\frac{7}{16}$ in; 4 lb \$210

BPA 420 40-Watt Power Amplifier

4-channel amplifier rated at 16 W/ch with 4 channels driven into 4-ohms from 40-20,000 Hz with <1% THD. Features DIN and RCA inputs; variable input sens for high- or low-level sources; circuit to prevent turn-on noise. Continuous average W/ch into 2 channels 20 W into 4 ohms at <1% THD; FR (to -3 dB) 20-40,000 Hz; S/N 89 dB; ch sep 60 dB; input sens 0.3-2 V; input imp 10 kilohms; current draw at max power 10 amperes. 4 $\frac{3}{4}$ x 1 $\frac{3}{4}$ x 7 $\frac{3}{16}$ in; \$120

BPA 40MS 20-Watt Power Amplifier

Small-sized power amp designed for hard-to-fit or near-speaker installations. Features BTL circuitry; short-circuit and polarity protection. Accepts low- or high-level inputs. 10 continuous W/ch into 4 ohms at <1% THD; FR (to -3 dB) 20-30,000 Hz; S/N 90 dB; ch sep 60 dB; input sens 2 V/3/5 V; input imp 10 kilohms; current draw at max power 5 amperes. 4 x 1 $\frac{3}{8}$ x 4 in \$80

CANTON

Mainframe Modular Autosound System
Incorporates M50-VB modular amplifiers in different configurations using a mainframe. The mainframe provides physical support of

the amplifier modules, houses all electrical connections except those of loudspeakers, and has provisions for the distribution of serial data signals.

M50-VB 50-Watt Power Amplifier

Monaural 50-W amplifier for use in mainframe modular system. Features four plus one internal inputs; imp 4 ohms; S/N >94 dBA; THD <0.1% at 50 W; IMD <0.04% at 50 W; damping factor 60 for 4 ohm load; sens 0.075 to 1.900 V for 1 W \$200

MF-5 5-Position Mainframe Base

Mainframe supports 5 M50-VB modular amps \$250

MF-3, 3-position mainframe base supports 3 M50-VB modular amps \$150

CARVER

M240 240-Watt Power Amplifier

Automotive amplifier with Magnetic Field technology. Features function-monitoring circuitry with automatic resetting; built-in crossover at 115 Hz; subsonic filter at 21.2 Hz. No additional electronics are needed to use in biamp configuration. Immediately strappable for use as a 240-W mono amp. Soft-Start power-up prevents loss of electrical system fuses. 120 W/ch into 4 ohms from 20-20,000 Hz with no more than 0.5% THD; load imp 2-8 ohms; input sens variable from 250 mV to 3 V. 6 x 2 x 12 $\frac{1}{2}$ in; 4.7 lb \$400

CLARION

1300A 130-Watt Power Amplifier

2 channels. 65 W/ch into 4 ohms with 10% THD; 45 W/ch from 20-20,000 Hz at 1% THD. Features pulse-regulated power supply; discrete output circuitry; selectable speaker- or line-level input; RCA inputs; ground-loop isolation circuit; thermal overload protection; radiation/convection heatsink. FR 20-20,000 Hz \pm 1.5 dB; S/N 75 dB; input imp 10 kilohms (low level), 22 ohms (high level). 7 $\frac{1}{2}$ x 2 x 9 $\frac{7}{16}$ in \$250

800A-III 80-Watt Power Amplifier

4 channels. 13.5 W x 4 into 4 ohms from 20-20,000 Hz with 1% THD; 20 W x 4 max power output. Features selectable speaker- or line-level inputs; overload protection circuit; auto power on/off; ground-loop isolation selector. FR 20-20,000 Hz \pm 1.5 dB; S/N 75 dB; input imp 10 kilohms (low level), 22 ohms (high level). 5 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 6 $\frac{3}{8}$ in \$120

400A-III 40-Watt Power Amplifier

2 channels. 13.5 W/ch into 4 ohms from 20-20,000 Hz with 1% THD; 20 W/ch max power output. Features selectable speaker- or line-level inputs; overload protection circuit; high-efficiency convection heatsink; auto power on/off; ground-loop isolation selector. FR 20-20,000 Hz \pm 1.5 dB; S/N 75 dB; input imp 10 kilohms (low level), 22 ohms (high level). 5 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 6 $\frac{3}{8}$ in \$80

CONCORD

All Concord CA amplifiers feature full-complementary circuitry; direct-coupled output; minimal negative feedback; high temperature, input voltage, excessive output, and DC offset protection; soft-start circuitry; remote on/off control; power noise filter; gold-plated RCA input connectors; preamp level inputs; input level control.

CA200-2 400-Watt Power Amplifier

2 channels; bridgeable. 200 W/ch into 4 ohms from 20-20,000 Hz with 0.06% THD (2 ch); 500 W into 4 ohms with 0.09% THD. Features discrete output transistors; stable operation into 2 ohms; forced air cooling. FR 2-50,000 Hz; S/N >100 dB; slew rate 15 V/ μ s; damping factor >200 at 20 Hz; input imp 20 kilohms. 7 $\frac{5}{8}$ x 2 $\frac{7}{16}$ x 15 $\frac{3}{8}$ in \$530

CA100-2 200-Watt Power Amplifier

2 channels; bridgeable. 100 W/ch into 4 ohms from 20-20,000 Hz with 0.06% THD (2 ch); 200 W into 4 ohms with 0.09% THD. Features discrete output transistors; stable operation into 2 ohms. FR 2-50,000 Hz; S/N >100 dB; slew rate 15 V/ μ s; damping factor >200 at 20 Hz; input imp 20 kilohms. 7 $\frac{5}{8}$ x 2 $\frac{7}{16}$ x 13 $\frac{3}{8}$ in \$430



Concord CA100-2

CA30-4 120-Watt Power Amplifier

4 channels; bridgeable. 30 W/ch into 4 ohms from 20-20,000 Hz with 0.06% THD (4 ch); 60 W/ch with 0.09% THD (2-ch bridged). Features discrete output transistors; stable operation into 2 ohms. FR 2-50,000 Hz; S/N >100 dB; slew rate 15 V/ μ s; damping factor >200 at 20 Hz; input imp 20 kilohms. 7 $\frac{5}{8}$ x 2 $\frac{7}{16}$ x 11 $\frac{3}{8}$ in \$330

CA50-2 100-Watt Power Amplifier

2 channels. 50 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD. Features pulse width modulated power supply; discrete output transistors; speaker- and line-level inputs. FR 15-40,000 Hz; S/N >90 dB; slew rate 15 V/ μ s; damping factor >200 at 20 Hz; input imp 15 kilohms. 8 $\frac{7}{8}$ x 2 $\frac{3}{8}$ x 10 $\frac{5}{8}$ in .. \$200

CA20-2 40-Watt Power Amplifier

2 channels. 20 W/ch into 4 ohms with 1% THD (at 1 kHz). Features speaker- and line-level inputs. FR 15-25,000 Hz; S/N >90 dB;

slew rate 15 V/ μ s; damping factor >200 at 20 Hz; input impedance 10 kilohms. 6¼ x 1½ x 7½ inches \$99

COUSTIC

AMP-560 1,200-Watt Power Amplifier

4-, 3-, 2-channel bridgeable power amp with 2,800-W HEX-FLT PWM switching power supply and RCA/DIN inputs. 250 W/ch into 4 channels, 600 W/ch into 2 channels (bridged); FR 20-20,000 Hz \pm 1.5 dB. \$1,200

AMP-380 125-Watt Power Amplifier

Features PWM switching power supply; stable into 2 ohm loads; high imp selectable (RCA, 8-pin DIN); adjustable input sens 200 mV-1.2 V. Max power 125 W/ch; FR 20-20,000 Hz \pm 1.5 dB; S/N 92 dB \$310

AMP-190 80-Watt Power Amplifier

Features PWM switching power supply; stable into 2 ohm loads; high imp selectable (RCA, 8-pin DIN); adjustable input sens. Max power 80 W/ch; FR 20-20,000 Hz \pm 1.5 dB; S/N 92 dBA \$200



Deltasonik D-360

AMP-120 30-Watt Power Amplifier

Features DC/DC switching power supply; fully complementary output stage; high-and low-imp inputs; adjustable input sens. Power output 30 W/ch rms from 20-20,000 Hz with 0.05% THD; FR 20-20,000 Hz \pm 1.5 dB; S/N 92 dBA \$140

AMP-100 25-Watt Power Amplifier

Features BTL-type output circuitry; high-imp inputs (RCA and 8-pin DIN); low-imp input; floating/common ground adaptor; adjustable input sens. Power output 25 W/ch rms at 1,000 Hz with 0.9% THD; FR 30-30,000 Hz at 1 W, 1,000 Hz \pm 3 dB; S/N 90 dBA; output imp 2¼/8 ohms. 1¾ x 5½ x 6¼ in ... \$60

CRAIG

V541 260-Watt Power Amplifier

Features 260 W peak power with both channels driven; mono/stereo switch; mono subwoofer mode with low-pass filter; low-level inputs, 500 mV for max output; gold-plated RCA connectors; high-level inputs, 3 V for

max output; adjustable gain control; toroidal power transformer; DC-to-DC circuitry; output short-circuit protection; LED warning indicator; auto on/off DC power control; gold-plated terminal strip connectors; can be installed under seat. 65 average W/ch into 4 ohms from 10-20,000 Hz with 1% THD; FR 10-100,000 Hz \pm 3 dB; S/N 80 dB; 10½ x 1½ x 7¼ in \$160

V540 140-Watt Power Amplifier

Features 140 W peak power with both channels driven; low-level inputs, 500 mV for max output; gold-plated RCA connectors; high-level inputs, 3 V for max output; adjustable input sens; toroidal power transformer; output short-circuit protection; LED warning indicator; auto on/off DC power control; gold-plated terminal strip connectors; can be installed under seat. 35 average W/ch into 4 ohms; FR 20-70,000 Hz \pm 3 dB; S/N 75 dB; 7 x 2¾ x 5½ in \$90

V530 80-Watt Power Amplifier

Features 80 W peak power with both channels driven; low-level inputs, 150 mV for max output; gold-plated RCA connectors; high-level inputs, 3 V for max output; adjustable input sens; output short-circuit protection; auto on/off DC power control; gold-plated terminal strip connectors. 20 average W/ch into 4 ohms; FR 20-20,000 Hz \pm 3 dB; S/N 70 dB; 3¼ x 2 x 7 in \$65

DELTA SONIK

D-360 360-Watt Power Amplifier

2 channel. 180-W/ch power amp with Permatec protection. Features PWM voltage regulation on the power supply for tight bass response; continuously variable high- and low-level inputs (100 mV-100 V). Can be configured as a 3- or 4-ch amp with use of optional M-3 or M-4 Molex connectors. S/N >90 dB; FR 20-20,000 Hz; THD at rated output 1%; THD at 150 W/ch stereo 0.01%; 90 W/ch x 4 when adapted to 4-ch amp \$525
D-200. Same as D-360 except 100 W/ch stereo and 50 W/ch into 4 channels \$295
M-3, -4. Molex connectors to make D-360 and D-200 3- or 4-ch amps \$15 ea

D-90 90-Watt Power Amplifier

2 channel; bridgeable. 45-W/ch power amp with Permatec protection. Features continuously variable high- and low-level inputs (100 mV-10 V). Bridgeable into mono (90 W rms) without an adaptor. THD at rated power into 4 ohms 1%, 0.05% at 30 W/ch rms; FR 20-20,000 Hz; S/N >90 dB \$155

D-40 36-Watt Power Amplifier

2 channel. 18-W/ch power amp features Permatec protection; Sound Performance indicator; continuously variable low- or high-level inputs (100 mV-2.5 V); RCA or DIN inputs; delay turn-on. Signal-to-noise ratio greater than 90 dB; frequency response 20-20,000 Hz \$69

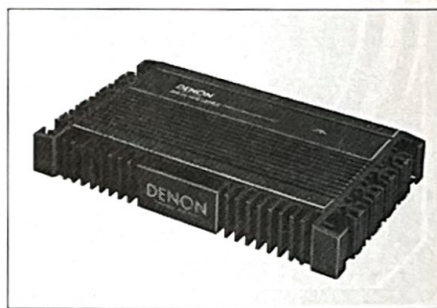
DENON

DCA-3500 240-Watt Power Amplifier

5 channels. Features Real-World Grounding system; nonswitching Class A amplification; non-negative-feedback circuit; pulse-regulated dual power supplies; DC-DC converter; remote power on/off; adjustable input sens; switchable high- (12 dB/oct) and low- (18 dB/oct) cut filters; gold-plated input jacks. 40 W/ch x 4 and 80 W x 1 (subwoofer) in 5-ch operation at 1,000 Hz, 1% THD, 80 W/ch x 2 and 80 W x 1 (subwoofer) in 3-ch operation. Built-in subwoofer dividing network offers 80 and 120 Hz crossover frequencies. FR 5-200,000 Hz \pm 3 dB; S/N (A-wtd) 90 dB; input sens/imp 0.2-2 V/10 kilohms; speaker imp 4 ohms. 8½ x 2 x 15¼ in \$500
DCA-3400. Similar to DCA-3500 except 2 or 4 channels without crossover. 40 W/ch x 4 or 80 W/ch x 2 at 1,000 Hz, 1% THD ... \$400

DCA-3280 130-Watt Power Amplifier

2-channels, with non-negative-feedback, non-switching Class A circuitry. Features pulse-regulated power supply; ground isolation; remote power on/off. Power output 65 W/ch min continuous with both chs driven from 20-20,000 Hz with <1% THD; FR 5-300,000 Hz \pm 3 dB; S/N 95 dB; input sens/imp 250 mV/10,000 ohms (high), 750 mV/10,000 ohms (low); speaker impedance 4 ohms. 8¾ x 3 x 9 in \$300



Denon CDA-3400

DCA-3175 80-Watt Power Amplifier

Nonswitching Class A power amplifier. Features remote power; switchable input sens; gold-plated input jacks. 40 W/ch at 1,000 Hz with 1% THD \$180

DCA-3150 72-Watt Power Amplifier

4 channels. 16 W/ch (4 ch) at 1,000 Hz with 1% THD. Features isolated ground design; remote power on/off; variable input sensitivity; built-in protection circuitry. 6 x 1¾ x 8½ inches \$180

DCA-3100 24-Watt Power Amplifier

Power amp with BTL-OCL circuitry and monolithic IC's. Features ground isolation; remote power; switchable input sens; built-in short circuit protection; RCA inputs. Power output 12 W min continuous avg W/ch into 4 ohms with both chs driven from 20-20,000 Hz with no more than 0.05% THD, 16 W at



Fostex CA4

1,000 Hz with 1% THD, 20 W at 1,000 Hz with 10% THD; FR 15-100,000 Hz ± 3 dB; S/N 90 dB; input sens/imp 250 mV/10,000 ohms (high), 750 mV/10,000 ohms (low); speaker imp 4 ohms. 6 x 1 1/8 x 7 in. \$105

FAS INDUSTRIES

PA-400 300-Watt Power Amplifier

2 channels; bridgeable. Fan-cooled power amplifier with variable active crossover, separate control box, SMPS, and thermal protect. Switch for line-level or amplified signal. 150 average W/ch from 10-150,000 Hz into 4 ohms with <0.05% THD (per IHF A-202), 400 W bridgeable mono subwoofer; S/N 100 dB A-wtd; slew rate 50 V/ μ s; damping factor >500 at 4 ohms. 6 1/4 x 2 1/8 x 12 in. \$550

PA-150 150-Watt Power Amplifier

2 channels; bridgeable. 75 W/ch (2 ch) 200 W (bridged). Features SMPS circuitry; variable active crossover 50-500 Hz; input sens control; S/N 90 dB. \$340

PA-101 100-Watt Power Amplifier

2 channels; bridgeable. 50 W/ch with <0.08% THD (2 ch); 100 W (mono) with <0.5% THD. Features discrete amplifier circuitry; variable input sens control; high/low imp inputs; thermal output protection; high-efficiency switching power supply; remote on/off; noise-free turn on. S/N 100 dB; FR 20-25,000 Hz. \$200

PA-81 60-Watt Power Amplifier

2 channels. 30 W/ch with <0.05% THD (2 ch). Features discrete amplifier circuitry; high/low imp inputs; thermal output protection; high-efficiency switching power supply; remote on/off; noise-free turn on. S/N 100 dB; FR 20-25,000 Hz. \$145

PA-25 25-Watt Power Amplifier

2 channels. 12.5 W/ch rms with <0.05% THD. Features high- and low-level inputs; amplify/bypass button. \$50

FORD

80-Watt Power Amplifier

4 channels. Premium Sound System for Ford, Lincoln, and Mercury passenger cars and selected trucks; 80 watts through either 4 or 6 speakers, depending on vehicle. \$138-\$168

FOSTEX

CA4 280-Watt Power Amplifier

4 channels; bridgeable. 50 W x 4 into 4 ohms from 20-20,000 Hz with 0.1% THD, 55 W x 4 into 2 ohms with 0.2% THD (4 ch); 140 W/ch into 4 ohms from 20-20,000 Hz with 0.2% THD (2 ch). FR 10-40,000 Hz -1 dB; S/N 105 dBA; input sens/imp 0.2-0.5 V/10 kilohms. 2 1/8 x 17 x 10 in. \$995

FUJITSU TEN

QM-571 50-Watt Power Amplifier

Ultra-thin amplifier with 9-band spectrum analyzer and BTCL circuit. Line-level inputs. 12 average W/ch from 30-20,000 Hz into 4 ohms with 1% THD (max 25 W x 2); S/N 79 dB A-wtd. 7 x 1 x 5 1/8 in. \$295

QM-581 140-Watt Power Amplifier

Power amplifier with 70 W/ch (2 ch) max power output. Features DC-DC converter; SEPP circuit. Line-level inputs. Power output 35 average W/ch from 30-20,000 Hz into 4 ohms with 1% THD (max 70 W x 2); S/N 76 dB A-wtd. 5 7/8 x 2 x 6 1/4 in. \$275

QM-570XA 50-Watt Power Amplifier

Ultra-thin amplifier with 9-band spectrum analyzer and BTCL circuit. Power output 12 average W/ch from 30-20,000 Hz into 4 ohms with 1% THD (max 25 W x 2); S/N 79 dB A-wtd. 2 lb; 7 x 1 x 5 1/8 in. \$265

QM-582 140-Watt Power Amplifier

Power amplifier with 70 W x 2 max power output. Features switchable inputs to accept line-level signal or amplified signal; adjustable input level; DC-DC converter; SEPP (single-ended push-pull) circuit. Power output 35 average W/ch from 30-20,000 Hz into 4 ohms with 1% THD (max 70 W x 2); S/N 98 dB A-wtd. 3.3 lb; 5 7/8 x 2 x 6 1/4 in. \$235

UM-132 50-Watt Power Amplifier

Power amplifier with 3-point adjustable input. Features coincidental on/off switch; dual level input. Inputs switchable to accept line-level signal or amplified signal. Power output 15 average W/ch from 50-50,000 Hz into 4 ohms with 1% THD (max 25 W x 2); S/N 100 dB A-wtd; FR 20-70,000 Hz ± 3 dB. 5 7/8 x 1 x 5 1/8 in. \$95

UM-116 18-Watt Power Amplifier

Line-level inputs. Power output 3 average W/ch from 100-15,000 Hz into 4 ohms with 5% THD (max 9 W x 2); S/N 70 dB. 3 x 1 x 2 in. \$35

FULTRON

15-0750 100-Watt Power Amplifier

50-W/ch power amplifier with remote power switch. Features bridgeable mono/stereo; variable input sens from 300 mV to 1 V. Inputs switchable to accept line-level signal or amplified signal. 10 W/ch at 1,000 Hz into 4

ohms with <1% THD (per IHF A-202); S/N 65 dB A-wtd. 8 1/4 x 2 3/4 x 8 1/4 in. \$150

15-0727 26-Watt Power Amplifier

Mini power booster with lighted bass and treble controls. Features LED power level indicators; preamp inputs; circuit protection. Inputs switchable to accept line-level signal or amplified signal. 13 W/ch at 1,000 Hz into 4 ohms with <5% THD (per IHF A-202); S/N 50 dB A-wtd. 3 5/8 x 1 1/8 x 4 7/8 in. \$50

HAFLER

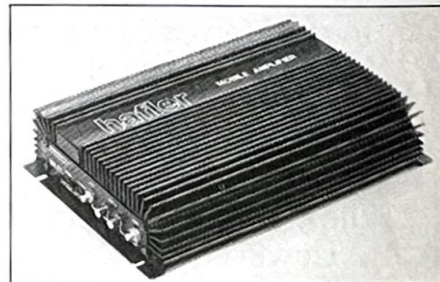
MA-1 200-Watt Power Amplifier

2 channels; bridgeable. 100 continuous W/ch from 20-20,000 Hz into 4 ohms with less than 0.02% THD (2 ch); 200 W/ch mono into 8 ohms. Features high-power low-distortion power MOSFET power amplifier; gold-plated inputs; remote switching LED indicator; wide-range input level controls that can accommodate both line-level and low-power speaker outputs; switch for bridged mono operation; accessible fuses for speaker protection. FR 10-70,000 Hz $+0/-1$ dB; S/N >100 dB; input imp 15 kilohms. 12 x 8 x 2 1/2 in. \$400

HARMAN KARDON

CA260 120-Watt Power Amplifier

2 channels; bridgeable. 60 average W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD, 90 W/ch into 2 ohms (2 ch); 180 W/ch into 4 ohms (bridged mono). Features high-pass and low-pass active crossover, high-capacity power supply, high instantaneous current capability (± 30 amps), remote turn-on; bridged-mono switch. Inputs switchable for line-level or amplified signal. 25 dB negative feedback; FR 10-100,000 Hz $+0/-3$ dB; S/N 80 dB. 15 5/8 x 3 7/8 x 7 1/8 in. \$450



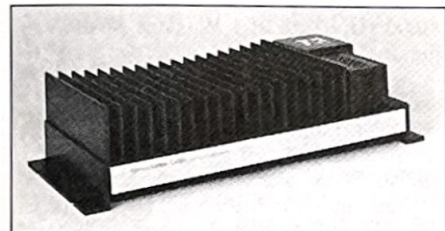
Hafler Mobile Amplifier

CA240 80-Watt Power Amplifier

2 channels; bridgeable. 40 average W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD, 50 W/ch into 2 ohms (2 ch); 100 W/ch into 4 ohms (bridged mono). Features high-capacity power supply; high instantaneous current capability (± 25 amps); high-pass and low-pass active crossover; bridged-mono switch; remote turn-on; continuously variable input sens. Inputs switchable to accept line-level or amplified signal. 25 dB negative feedback; FR 10-100,000 Hz $+0/-3$ dB; S/N 72 dB. 5.7 lb; 12 7/16 x 2 3/4 x 8 in. \$325

CA215 24-Watt Power Amplifier

2 channels. 12 W/ch from 20-20,000 Hz into 4 ohms with 0.2% THD. Features discrete circuitry; high instantaneous current capability of ± 14 amperes and remote turn-on. Inputs switchable to accept line-level signal or amplified signal. S/N 84 dBA; neg feedback 25 dB; power bandwidth 10-100,000 Hz ± 0 , -3 dB. 2.2 lb; 8 1/4 x 1 1/16 x 6 3/16 in. \$125



Harman Kardon CA260

CA212 24-Watt Power Amplifier

2 channels. 12 W/ch into 4 ohms with 0.2% THD. Features 1/2-DIN size for in-dash mounting; protection circuitry \$99

CA205 7-Watt Power Amplifier

2 channels. Power output 3.5 average W/ch from 20-20,000 Hz into 4 ohms with 0.2% THD. Features discrete circuitry, high instantaneous current capability of ± 5 amps; remote turn-on. Line-level inputs. 25 dB negative feedback; FR 10-100,000 Hz ± 0 / -3 dB; S/N 90 dB. 7 1/16 x 1 1/2 x 4 1/4 in. \$55

HI-COMP BY AUDIOVOX

HCB-880 240-Watt Power Amplifier

4 channels. Delivers 240 watts total power at 0.05% THD; 2 x 40 W, front; 2 x 80 W, rear; high- and low-level inputs; individual input sens control; power on LED \$250

HCB-865 130-Watt Power Amplifier

2 channels; bridgeable. 65 W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD (per IHF A-202); S/N 90 dB A-wtd. Features variable input level control; mono bridgeable; RCA inputs. Inputs accept amplified signal. 11 3/4 x 2 3/4 x 6 3/4 in. \$200

HCB-840 80-Watt Power Amplifier

2 channels; bridgeable. 40 W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD (per IHF A-202); S/N 90 dB A-wtd. Features variable input level control; inputs accept line-level signal. 7 1/2 x 2 3/4 x 6 3/4 in. \$150

HCB-825 100-Watt Power Amplifier

4 channels. 25 W/ch (4 ch) with less than 1% THD. Features RCA inputs; DIN-plug input; variable input sens control \$140

HCB 818 36-Watt Power Amplifier

2 channels. 18 W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD (per IHF A-202); S/N > 75 dB A-wtd. Features RCA inputs; speaker level inputs. Inputs accept high-level signal. 4 x 1 7/16 x 4 13/16 in. \$60

HIFONICS

Colossus 1,200-Watt Power Amplifier

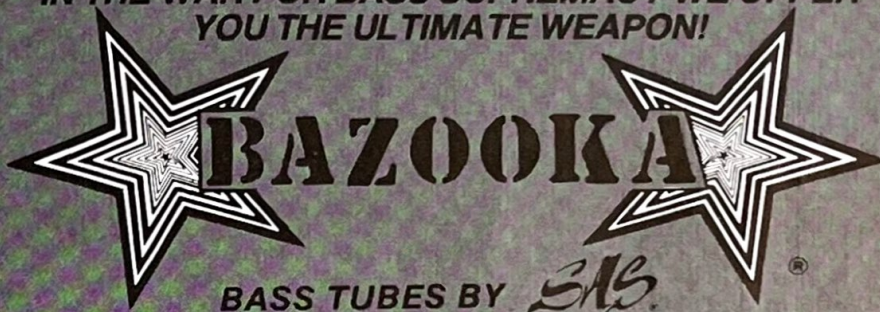
2 channels; bridgeable. 600 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD, 900 W/ch usable into 2 ohms; 1,800 W bridgeable mono into 4 ohms, 1,200 W bridgeable mono into 8 ohms. Features variable power circuit; DC protection with diagnostic

LED. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.2%; slew rate 50 V/ μ s; S/N 108 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 22 kilohms. \$1,600

Olympus 440-Watt Power Amplifier

4 channels; bridgeable. 110 W/ch x 4 into 4 ohms with 0.02% THD; 180 W/ch x 4 into 2

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- Tubular Shaped
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8" SAS-T82 & SAS-T18

Frequency Response: 39-1500 Hz.
Bass Efficiency: 100db at 1 watt in typical installation.
Max. Sugg. Amp. Power: 300 watts in total

6 1/2" SAS-T62 & SAS-T16

Frequency Response: 39-1500 Hz.
Bass Efficiency: 98db at 1 watt in typical installation.
Max. Sugg. Amp. Power: 200 watts total.

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ohms with 0.02% THD; 220 W/ch x 2 into 8 ohms; 360 W/ch x 2 into 4 ohms (bridged to 2 ch). Features electronic crossover. FR 5-40,000 Hz -3 dB; slew rate 25 V/μs; S/N 100 dB. 7½ x 2½ x 15½ in. \$750

Zeus 600-Watt Power Amplifier

2 channels; bridgeable. 300 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD (per IHF A-202), 500 W/ch usable into 2 ohms; 600 W bridgeable mono into 8 ohms, 1,000 W bridgeable mono into 4 ohms. Features vari-power circuit; DC protection with diagnostic LED. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 39 V/μs; S/N 102 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms min; sep at 2,000 Hz >80 dB. 9.5 lb; 9 x 2¼ x 13½ in. \$750

Gemini 200-Watt Power Amplifier

4 channels; bridgeable. 50 W/ch average into 4 ch from 20-20,000 Hz into 4 ohms with 0.02% THD, 70 W/ch x 4 usable into 2 ohms; 100 continuous W/ch in 2-ch mode into 8 ohms with <0.02% THD, 140 continuous W/ch in 2-ch mode into 4 ohms with <0.25% THD. Features built-in electronic crossover; full short-circuit protection, DC-protected with diagnostic LED. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 17 V/μs; S/N 45 dB; FR 2-200,000 Hz -3 dB at 1 W; input imp 22 kilohms; sep at 2,000 Hz >78 dB. Crossover points are selectable. 5 lb; 7½ x 2 x 8¾ in. \$500

Thor 250-Watt Power Amplifier

2 channels; bridgeable. 125 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD (per IHF A-202), 175 W/ch usable into 2 ohms; 250 W bridgeable mono into 8 ohms, 350 W bridgeable mono into 4 ohms. Features vari-power circuit; DC protection with diagnostic LED. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 25 V/μs; S/N 100 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms min; sep at 2,000 Hz >80 dB. 7 lb; 9 x 2¼ x 7½ in. \$500

Hercules 200-Watt Subwoofer Amplifier

200-W mono subwoofer power amplifier with built-in adjustable electronic crossover (variable from 50-530 Hz). Features 4 built-in protection circuits and self-diagnostic LED. 200 W continuous output into 4 ohms from 20-20,000 Hz with <0.02% THD, 375 W continuous into 2 ohms with 0.02% THD; THD 0.02% 20-20,000 Hz, at any power level; slew rate 30 V/μs; FR 2-200,000 Hz -3 dB at 1 W; 10-32,000 Hz -0.1 dB at rated power; S/N 103 dB. 7½ x 2½ x 10¾ in; 5 lb. \$380

Europa 100-Watt Power Amplifier

4 channels; bridgeable. 25 W/ch average into 4 ch from 20-20,000 Hz into 4 ohms with

0.05% THD, 35 W/ch x 4 usable into 2 ohms; 50 continuous W/ch in 2-ch mode into 8 ohms with <0.08% THD, 70 continuous W/ch in 2-ch mode into 4 ohms with <0.25% THD. Fully protected against short circuits. Features built-in electronic crossover. DC-protected with diagnostic LED. Inputs accept line-level signal. THD 0.05% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.05%; slew rate 9 V/μs; S/N 88 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms; sep at 2,000 Hz >72 dB. Crossover points are selectable. \$365

Odin 150-Watt Power Amplifier

2 channels; bridgeable. 75 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD, 120 W/ch usable into 2 ohms; 150 W bridgeable mono into 8 ohms, 240 W bridgeable mono into 4 ohms. Features vari-power circuit; DC protection with diagnostic LED. Short-circuit proof. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 21 V/μs; S/N 97 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms min; sep at 2,000 Hz >80 dB. 5.5 lb; 9 x 2¼ x 5½ in. \$365

Cyclops 100-Watt Subwoofer Amplifier

100-W mono subwoofer power amplifier with built-in adjustable electronic crossover (variable from 50-530 Hz). Features 4 built-in protection circuits and self-diagnostic LED. 100 W continuous output into 4 ohms from 20-20,000 Hz with <0.02% THD, 140 W continuous into 2 ohms with 0.15% THD; THD 0.02% 20-20,000 Hz at any power level; IMD (SMPTE) 0.02%; slew rate 24 V/μs; FR 20-200,000 Hz -3 dB at 1 W; slope 12 dB/oct; input imp 10 kilohms. \$285

Vulcan 100-Watt Power Amplifier

2 channels; bridgeable. 50 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD, 80 W/ch usable into 2 ohms; 100 W bridgeable mono into 8 ohms, 160 W bridgeable mono into 4 ohms. Features vari-power circuit; DC protection with diagnostic LED. Short-circuit proof. Inputs accept line-level signal. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 17 V/μs; S/N 95 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms min; sep at 2,000 Hz >80 dB. 4.5 lb; 9 x 2¼ x 4½ in. \$270



Williston
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Eros 50-Watt Subwoofer Amplifier

50-W mono subwoofer power amplifier with built-in adjustable electronic crossover (variable from 50-530 Hz). Features 4 built-in protection circuits and self-diagnostic LED. 50 W continuous output into 4 ohms from 20-20,000 Hz with <0.02% THD, 70 W continuous into 2 ohms with 0.15% THD; THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 17 V/μs; FR 20-200,000 Hz -3 dB at 1 W; slope 12 dB/oct; input imp 10 kilohms. \$210

Pluto 60-Watt Power Amplifier

2 channels; bridgeable. 30 W/ch average from 20-20,000 Hz into 4 ohms with 0.02% THD, 40 W/ch usable into 2 ohms; 60 W bridgeable mono into 8 ohms, 80 W bridgeable mono into 4 ohms. Features DC protection with diagnostic LED. Short-circuit proof. Inputs accept line-level signal from cassette tuner or other source. THD 0.02% 20-20,000 Hz, at any power level; IMD (SMPTE) 0.02%; slew rate 10 V/μs; S/N 90 dB below rated output; FR 2-200,000 Hz -3 dB at 1 W; input imp 20-20,000 Hz 22 kilohms; sep at 2,000 Hz 70 dB. 7½ x 2 x 4¾ in. \$195

Mercury 40-Watt Power Amplifier

2 channels. 20 W/ch into 4 ohms; 30 W/ch into 2 ohms. THD 20-20,000 Hz 0.05% at any power level; S/N 88 dB below rated output; FR 5-40,000 Hz -3 dB; damping factor 50. 1.6 lb; 7½ x 2½ x 2¾ in. \$130

HITACHI

MA-9A 160-Watt Power Amplifier

2 channels. 80 W/ch (1 kHz 10% THD), 40 W/ch from 20-20,000 Hz with 1% THD. Features pulse-regulated power supply; low-distortion non-negative-feedback circuit; remote power on/off by power antenna lead; switchable input sens; power indicator. S/N 100 dB. 8¾ x 2¾ x 8¾ in. \$300

MA-D4 50-Watt Power Amplifier

Features fader control with illumination; power-on indicator. 25 W/ch max; S/N 75 dB. 7 x 1 x 6½ in. \$89

HITECH MOBILE SOUND

XA-631 112-Watt Power Amplifier

4 channels. 112-watts total power, 4 x 28 W/ch. Features Class A design. \$190

Two-Channel Class-A Power Amplifiers

XA-620. 120-watts, 2 x 60 W/ch. \$240

XA-610. 100-watts, 2 x 50 W/ch. \$210

XA-560. 36-watts, 2 x 18 W/ch. \$90

INFINITY

MRA-150 150-Watt Power Amplifier

2 channels. 60 W/ch average from 20-20,000 Hz into 4 ohms with <0.25% THD, 75 W/ch into 4 ohms at 1,000 with <1% THD. Features remote turn-on with auto muting; no

fuses; adjustable input level; push speaker connectors; shielded power supply. Inputs accept line-level signal. Frequency response 1.4-125,000 Hz +0, -3 dB; S/N 100 dB. 7 $\frac{1}{8}$ x 2 $\frac{1}{4}$ x 10 $\frac{1}{2}$ in. \$319
MRA-90. As above except 35 W/ch from 20-20,000 Hz into 4 ohms with <0.25% THD, 45 W/ch at 1,000 Hz with <1% THD. . . . \$199

JENSEN

A-200 200-Watt Power Amplifier

2 channels; bridgeable. 250 W maximum, 125 W rms (bridged); 100 W/ch maximum, 50 W/ch rms into 4 ohms from 20-20,000 Hz with less than 0.5% THD. Features circuit and thermal overload protection; remote on/off sensor; high- and low-level inputs; input sensitivity control. FR 10-30,000 Hz \pm 3 dB; signal-to-noise ratio 86 dBA; input sensitivity/imp: 100-500 mV/10 kilohms (low level), 1-5 V/27 ohms (high level). 8 x 2 $\frac{1}{2}$ x 7 $\frac{3}{4}$ in; 5.6 lb. \$200



Jensen A-200

A-80 80-Watt Power Amplifier

2 channels. 40 W/ch maximum, 18 W/ch rms into 4 ohms from 20-20,000 Hz with less than 1% THD. Features circuit and thermal overload protection; remote on/off sensor; high- and low-level inputs; input sensitivity control. FR 20-30,000 Hz \pm 3 dB; S/N 80 dBA; input sens/imp: 100-500 mV/10 kilohms (low level), 1-5 V/27 ohms (high level). 4 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 4 $\frac{5}{8}$ in; 1.6 lb. \$70

JET SOUND ELECTRONICS

JSE 1030 200-Watt Amplifier

2 channels. 100 W/ch into 4 ohms from 20-30,000 Hz with less than .01% THD. Features high/low inputs; variable low-level input; BTL/common switch; high-/low-level switch; subwoofer amplifier capability; stereo/mono switch; LED power-on indicator; digital switching power supply. \$265

JSE 1010 120-Watt Power Amplifier

2 channels. 60 W/ch average from 20-30,000 Hz into 4 ohms with 1% THD (per IHF A-202). Features BTL/common ground switch; subwoofer amplifier capability; line input level adjustment; inputs switchable to accept line-level or amplified signals; digital switching power supply. Signal-to-noise ratio 80 dBA. 5 lb. \$205

JSE 242 140-Watt Power Amplifier

2 channels. 70 average W/ch from 20-20,000 Hz into 4 ohms with 1% THD (per IHF A-202). Features variable low-level input; digital switching power; remote on/off by car stereo; BTL/common ground selector; LED power on indicator. Inputs switchable to accept line-level or amplified signals. S/N 80 dB A-wtd. 1.8 lb; 5 $\frac{1}{2}$ x 1 $\frac{5}{8}$ x 6 $\frac{5}{16}$ in. \$105

JSE 241 80-Watt Power Amplifier

2 channels. 40 W/ch average from 20-20,000 Hz into 4 ohms with 1% THD (per IHF A-202). Inputs switchable to accept line-level signal or amplified signal. Features BTL/common ground input selector switch; line input level adjustment controls; remote power on/off by car radio. Signal-to-noise ratio 80 dB A-wtd. 1.8 lb. \$80

THE OTHER BOOKS IN THE HI-FI FIELD JUST CAN'T STAND UP TO STEREO REVIEW.

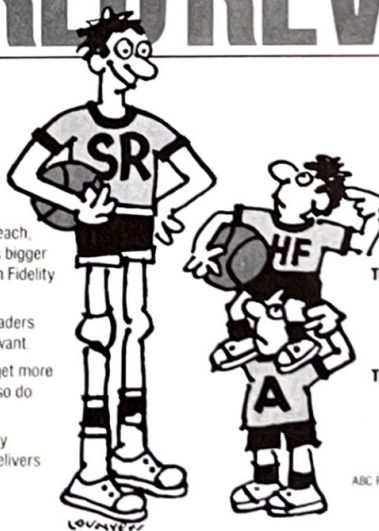
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KENWOOD

KAC-1020 400-Watt Power Amplifier

2 channels; bridgeable. 200 W/ch x 2 or 400 W x 1 into 4 ohms from 20-30,000 Hz with less than 0.5% THD. Features fully discrete circuitry and dynamic linear drive; voltage interface gate and Sigma drive with Class A DC-configuration; gold DIN and RCA inputs; ground isolation network; selectable subwoofer cutoff frequency 50 or 100 Hz with mono output to eliminate phase cancellation; variable input sens (0.1-5 V); dual internal fans; protection circuitry. S/N 100 dB; damping factor >5,000; FR 2-100,000 Hz -3 dB. 15 3/4 x 2 5/8 x 11 1/16 in \$899

KAC-920 190-Watt Power Amplifier

2 channels. 95 W/ch from 20-30,000 Hz with less than 0.5% THD. Features voltage interface gate and Sigma drive; gold DIN and RCA inputs; ground isolation network; selectable subwoofer cutoff frequency 50 Hz or 100 Hz with mono output to eliminate phase cancellation; variable input sens (0.1-5 V); protection circuitry. S/N 100 dB; damping factor >200; FR 2-100,000 Hz -3 dB. 9 1/16 x 2 3/8 x 11 1/16 in \$449

KAC-820 150-Watt Power Amplifier

2 channels. 75 W/ch from 20-30,000 Hz with less than 0.5% THD. Features fully discrete circuitry and Sigma drive; gold DIN and RCA inputs; ground isolation network; selectable subwoofer cutoff frequency 50 Hz or 100 Hz with mono output to eliminate phase cancellation; variable input sens (0.1-5 V); protection circuitry. S/N 100 dB; damping factor >200. 7 7/8 x 2 3/8 x 11 1/16 in. \$349

KAC-8070 114-Watt Power Amplifier

4 channels. 20 W/ch rms x 2 (front), 37 W/ch x 2 (rear) from 20-30,000 Hz at <1% THD. Features front and rear independent configuration; pulse-switching dual power supply for high power-on-demand; dedicated-drive IC and ultra-linear power transistors with built-in overload protection circuitry; Class A/B design; OTL/OC output stage; monolithic IC design; ground-isolated input stages; 2 DIN inputs; F/R independent variable input sensitivity controls (0.1-2 V); direct battery connection; single connector system. THD 0.007% (at 10-W output); S/N 100 dB (IHF-A); damping factor >100; FR 2-100,000 Hz -3 dB (rear), 5-50,000 Hz -3 dB (front). 9 7/16 x 2 1/4 x 6 3/4 in \$339

KAC-720 70-Watt Power Amplifier

2 channels. 35 W/ch from 20-30,000 Hz with <0.5% THD. Features gold DIN and RCA inputs; ground-isolation network; variable input sensitivity (0.1-5 V); full protection circuit. S/N 100 dB; damping factor >100; FR 2-70,000 Hz -3 dB. 7 1/16 x 2 3/16 x 5 1/2 in \$229

KAC-520 40-Watt Power Amplifier

2 channels. 20 W/ch from 20-30,000 Hz with less than 0.5% THD. Features ground-isolation

network; variable input sensitivity (0.1-5 V); monolithic power IC design. S/N 100 dB; damping factor >100; FR 5-50,000 Hz -3 dB. 3 1/8 x 1 3/16 x 5 1/2 in \$99

KRACO

KPA-100 100-Watt Power Amplifier

50 W/ch power output. Features BTL or common ground input; low-battery warning; auto power on/off; circuit-guard protection; high- and low-level inputs; adjustable input level. FR 20-20,000 Hz \$110

LEAR JET STEREO

6865 130-Watt Power Amplifier

2 channels; bridgeable. 65 W/ch both driven into 4 or 2 ohms; 130 W into 4 or 8 ohms (mono mode). FR 20-20,000 Hz; S/N 90 dB; THD <0.1%; input sens/imp 100-500 mV/10 kilohms (low level), 2.5 V/100 ohms (high level); slew rate 30 V/μs \$185

6840 80-Watt Power Amplifier

2 channels; bridgeable. 45 W/ch both driven into 4 or 2 ohms; 80 W into 4 or 8 ohms (mono mode). FR 20-20,000 Hz; S/N 90 dB; THD <0.05%; input sens/imp 100 mV-1 V/10 kilohms (low level); 2.5 V/100 ohms (high level); slew rate 20 V/μs \$115

LINEAR POWER

5002 500-Watt Power Amplifier

Bridgeable amp features reconfigurable power supply; Dynamic Improvement Processor; TO-3 power transistors; 32 amp per channel output current capability; 250 average W/ch from 38-20,000 Hz into 2 or 4 ohms with 0.12% THD (per EIA 517); S/N 95 dB A-wtd; slew rate 16 V/μs; damping factor 219 at 4 ohms. 3 x 9 1/2 x 14 1/2 in; 11 lb \$1,000

3002 300-Watt Power Amplifier

Bridgeable amp features reconfigurable power supply; Dynamic Improvement Processor; TO-3 power transistors; noninteractive protection circuitry; infinitely adjustable input sens; 150 average W/ch from 38-20,000 Hz into 2 or 4 ohms with 0.2% THD; S/N 95 dBA; slew rate 16 V/μs; damping factor 210. 3 x 9 1/2 x 12 in; 9 lb \$700

1752 175-Watt Power Amplifier

High current amplifier features delayed turn-on; TO-3 power transistors; noninteractive short circuit protection; infinitely adjustable input sens; 87.5 W/ch from 20-20,000 Hz into 2 or 4 ohms with 0.09% THD; damping factor 100 at 4 ohms; S/N 95 dBA; slew rate 16 V/μs. 3 x 9 1/2 x 9 3/4 in; 6 lb \$500

2602 120-Watt Power Amplifier

Biamp with subwoofer output. Features internal preset 77 Hz crossover; variable bass level; variable input sens. FR 12-150,000 Hz ±1 dB; S/N 95 dB; 120 W from 20-20,000 Hz with 0.5% THD max; noninteractive short

protection; damping factor >200; 13 V/μs slew rate. 8 x 2 7/8 x 10 in \$380

4225 120-Watt Power Amplifier

Dual-stereo design features fully independent infinitely variable input sens controls; high current power supply; 30 W x 4 ch from 20 to 20,000 Hz into 4 ohms with 0.12% THD; damping factor 100 at 4 ohms; slew rate 9 V/μs; input imp 50 kilohms. 2 x 7 1/16 x 7 1/2 in; 3.5 lb \$350

952 95-Watt Power Amplifier

Low-profile, high-current amplifier features 2 or 4 ohm reconfigurable power supply; infinitely adjustable input sens; noninteractive protection circuitry; 47.5 W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD (per EIA 517); damping factor 100 at 4 ohms; slew rate 9 V/μs; input imp 50 kilohms. 2 x 7 1/16 x 7 1/2 in; 3.5 lb \$300

452 45-Watt Power Amplifier

Low-profile, high-current amplifier features 2 or 4 ohm capability; infinitely adjustable input sens; noninteractive protection circuitry; 22.5 W/ch into 4 ohms from 20-20,000 Hz with 0.12% THD; damping factor 100 at 4 ohms; slew rate 9 V/μs; input imp 50 kilohms. 2 x 7 1/16 x 5 1/2 in \$240

"The Runt" 32-Watt Power Amplifier

Features balanced transformerless design (BTL); separate left and right infinitely variable input sens controls; 16 W/ch from 40-20,000 Hz into 4 ohms with 0.75% THD; damping factor 100; input imp 22 kilohms. 1 3/8 x 4 x 4 1/2 in; 1 lb \$120

MAJESTIC ELECTRONICS

MA770HD 300-Watt Power Amplifier

2 channels; bridgeable. 150 W/ch peak power, 70 W/ch continuous into 4 ohms from 20-20,000 Hz at 0.1% THD; Features auto power switching with LED indicator; gold plated RCA connectors; level control; built-in protection circuit; DIN input; DC to DC circuitry; Molex connector; quick-connect speaker terminals; heavy-duty power cables; mounting hardware. S/N >70 dB; FR 20-20,000 ±5 dB. 7 3/8 x 8 5/8 x 3 5/8; 6.5 lb \$270

MA500HD 200-Watt Power Amplifier

2 channels. 100 average W/ch from 20-20,000 Hz into 4 ohms with 1% THD (per IHF A-202). Features RCA jacks; gain control; floating input capability; adjustable input sens; high-/low-level stereo inputs; DC-DC converter circuit; remote power switching; thermal and short circuit protection. Inputs switchable to accept line-level and amplified signals. 11 1/2 x 3 x 8 1/16 in \$250

MA440HD 360-Watt Power Amplifier

4 channels. 360-W total power (150 W x 2 + 30 W x 2); adjustable inputs; BTL circuit for front ch; DC-DC converter circuit for rear channel; mono/stereo switch for rear ch. Features

tures remote-controlled switching; mono subwoofer mode with low-pass filter. Inputs switchable to accept line-level and amplified signals. 4.04 lb; 11½ x 3 x 7¾ in . . . \$200

MA300HD 300-Watt Power Amplifier

2 channels; bridgeable. 150 W/ch max power output, 55 W/ch continuous into 4 ohms from 20-20,000 at 0.7% THD. Features delayed turn on; DC-DC converter circuit; thermal and output short circuit protection; high- and low-level inputs; RCA jacks; stereo/mono switch; subwoofer/full-range switch; floating input capability; adjustable input sens; remote power switching. S/N 65 dB; ch sep 45 dB. 8½ x 2¾ x 8½ in . . . \$200

MA550HD 200-Watt Power Amplifier

2 channels; bridgeable. 100 W/ch peak power, 50 W/ch continuous into 4 ohms from 20-20,000 Hz at 0.1% THD. Features auto power switching with LED indicator; gold plated RCA connectors; level control; built-in protection circuit; DIN input; DC to DC circuitry; Molex connector; quick-connect speaker terminals; heavy-duty power cables; mounting hardware. S/N >70 dB; FR 20-20,000 ±5 dB. 7¾ x 7¾ x 2½ in; 6.5 lb . . . \$150

MA240HD 210-Watt Power Amplifier

4 channels. 210-W total power (75 W x 2 + 30 W x 2); 45 average W/ch from 20-20,000 Hz into 4 ohms with 1% THD (per IHF A-202). Features 2-/4-ch input selector; BTL circuit for front ch; transformer circuit for rear channel; delay turn on; remote on/off control; thermal output and short circuit protection; RCA jacks; 2 gain controls. Inputs switchable to accept line-level and amplified signals. 4.62 lb; 7¾ x 2 x 6½ in . . . \$140

MA200HD 150-Watt Power Amplifier

2 channels. 30 average W/ch from 40-18,000 Hz into 4 ohms with 1% THD (per IHF A-202). Features transformer-coupled 150-W-total-power amplifier with gain control; high-imp RCA jacks; protection circuit. Inputs accept line-level signal. Input sens 65-2,500 V adjustable; depress speaker connections. 7¾ x 2 x 6½ in; 4 lb . . . \$110

MA160HD 160-Watt Power Amplifier

2 channels. 80 W/ch max power output, 35 W/ch continuous into 4 ohms from 20-20,000 at 0.7% THD. Features delayed turn on; transformer output configuration; high- and low-level stereo inputs; thermal and output short circuit protection; RCA jacks; stereo/mono switch; subwoofer/full-range switch; floating input capability; adjustable input sens; remote power switching. S/N 65 dB; ch sep 45 dB. 8½ x 2¾ x 5¾ in . . \$120

MA110HD 100-Watt Power Amplifier

2 channels. 50 W/ch max power output, 18 W/ch continuous into 4 ohms from 20-20,000 at 0.7% THD. Features delayed turn on; BTL output circuit; high- and low-level stereo inputs; thermal and output short cir-

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A M P L I F I E R S

cuit protection; RCA jacks; stereo/mono switch; subwoofer/full-range switch; floating input capability; adjustable input sens; remote power switching. S/N 65 dB; ch sep 45 dB. 8 $\frac{5}{8}$ x 2 $\frac{3}{8}$ x 3 $\frac{3}{4}$ in; 2 lb. \$80

MAXXIMA

CSA-200 200-Watt Power Amplifier
200-W amplifier with high- and low-level inputs. 8 $\frac{3}{4}$ x 2 $\frac{1}{16}$ x 8 in. \$199

MGT AUDIO SYSTEMS

CPA-300 300-Watt Power Amplifier
Features DC-to-DC inverter circuit; built-in protection circuit; oversized heatsink. 150 W/ch x 2, 75 W/ch x 4. Approx. \$319

CPA-130 130-Watt Power Amplifier
2-ch or mono power amplifier with 2-way input arrangement (adjustable high impedance or low impedance); built-in protection circuit; oversized heatsink; twin DC-to-DC inverted high-power supply; input level adjustment for volume; RCA input connector; remote power switching circuit. 65 W/ch x 2 from 20-20,000 Hz into 4 ohms with 0.5% THD, 160 W mono at 1,000 Hz into 4 ohms with 1% THD. 13 x 2 $\frac{3}{4}$ x 6 $\frac{5}{8}$ in. \$230

CPA-60 60-Watt Power Amplifier
2-ch or mono power amplifier with 2-way input arrangement (adjustable high impedance or low impedance); built-in protection circuit; oversized heatsink; LED power indicator; twin DC-to-DC inverted high-power supply; input level adjustment for volume; RCA input connector; remote power switching circuit. 30 W/ch x 2 from 20-20,000 Hz into 4 ohms with 0.5% THD, 80 W mono at 1,000 Hz into 4 ohms with 1% THD. 9 x 2 $\frac{3}{4}$ x 6 $\frac{5}{8}$ in. \$130



Milbert BaM-230

CPA-40 40-Watt Power Amplifier
2 channels. 20 W/ch rms into 4 ohms with 1% THD. High- and low-level inputs. Input imp 10 kilohms (low level), 500 ohms (high level); FR 40-25,000 Hz \pm 3 dB. \$50

MILBERT AMPLIFIERS

BaM-230 60-Watt Tube Power Amplifier
2 channels. 30 W/ch into 4 or 8 ohms both channels driven at full power from 30-20,000 Hz with <2% THD. Features black anodized aluminum chassis; gold-plated RCA line-level input jacks; automatic shut-off if battery voltage drops below 10 $\frac{1}{2}$ V; remote power on/off; adjustable input sensitivity. FR 5-60,000 Hz +0/-3 dB signal-to-noise ratio >90 dB

below rated output from 20-20,000 Hz. 18 x 6 $\frac{3}{4}$ x 4 $\frac{1}{2}$ in; 15 lb. \$1,395

MITSUBISHI CAR AUDIO

CVX-10 260-Watt Power Amplifier
260 W total power (130 W/ch) at 0.1% THD into 4 ohms/2-channel mode, 65 W/ch at 0.1% THD/4-channel mode. Features discrete design; multi-input connectors; two-step gain control; auto-remote power switching; pulse-width modulation power supply. FR 7-50,000 Hz \pm 3 dB. 2 $\frac{3}{8}$ x 9 $\frac{1}{16}$ x 15 $\frac{3}{4}$ in. \$380

CVX-5 140-Watt Power Amplifier
140 W total power (70 W/ch) at 0.1% THD into 4 ohms/2-channel mode, 35 W/ch at 0.1% THD/4-channel mode. Features discrete design; multi-input connectors; two-step gain control; auto-remote power switching; pulse-width modulation power supply. FR 7-50,000 Hz \pm 3 dB. 2 $\frac{3}{8}$ x 9 $\frac{1}{16}$ x 10 $\frac{5}{8}$ in. \$260

CVX-3 130-Watt Power Amplifier
Features switching pulse-width modulation power regulator; low-distortion circuitry. 65 W/ch x 2; FR 20-50,000 Hz. \$210

CVX-2 60-Watt Power Amplifier
Features balanced transformerless and condenserless circuitry. 30 W/ch x 2; FR 20-30,000 Hz. \$110

NAKAMICHI

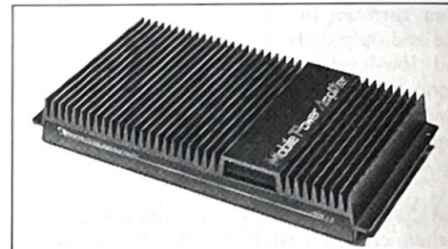
PA-400 140-Watt Power Amplifier
1 channel (monaural). 140 W into 4 ohms with <0.002% THD; 220 W into 2 ohms with 0.005% THD. Features L + R summing network for subwoofer applications; adjustable line-level input sens; short-circuit, thermal, and DC offset protection circuitry. S/N >110 dB; FR 1-70,000 Hz \pm 1 dB; damping factor >1000; input sens 0.2-0.8 V (variable). 12 $\frac{5}{8}$ x 2 $\frac{1}{16}$ x 6 $\frac{5}{16}$ in. \$495

PA-350 140-Watt Power Amplifier
4 channels. 35 W x 4 into 4 ohms with <0.005% THD. Features adjustable line-level input sens; short-circuit, thermal, and DC offset protection circuitry. S/N >110 dB; FR 5-50,000 Hz \pm 1 dB; damping factor >1000; input sens 0.2-0.8 V (variable); stereo separation >80 dB. 12 $\frac{5}{8}$ x 2 $\frac{1}{16}$ x 6 $\frac{5}{16}$ in. \$449

PA-300II 150-Watt Power Amplifier
2 channels. 75 W/ch into 4 ohms with <0.002% THD. Features adjustable line-level input sens; direct and low-cut inputs; short-circuit, thermal, and DC offset protection circuitry. S/N >110 dB; FR 5-50,000 Hz \pm 1 dB; damping factor >1000; input sens 0.2-0.8 V (variable); stereo separation >85 dB. 12 $\frac{5}{8}$ x 2 $\frac{1}{16}$ x 6 $\frac{5}{16}$ in. \$395

PA-200 60-Watt Power Amplifier
2 channels. 30 W/ch into 4 ohms with <0.005% THD; 60 W/ch into 2 ohms with <0.01% THD. Features high-current discrete

output stage; adjustable input sens; switchable inputs accept line-level or amplified sources; short-circuit, thermal, and DC offset protection circuitry; compact chassis. S/N >110 dB; FR 20-50,000 Hz +0/-3 dB; damping factor >1000; input sens 0.2-0.8 V (variable low level), 1-4 V (high level); stereo separation >80 dB. 7 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x 6 $\frac{5}{16}$ in. \$229



Nakamichi PA-350

PA-150 56-Watt Power Amplifier
4 channels. 14 W x 4 into 4 ohms with <0.05% THD. Features compact chassis; adjustable line-level input for each channel. S/N >100 dB; FR 5-50,000 Hz +0/-3 dB; damping factor >150; input sens 0.2-0.8 V variable. 5 $\frac{7}{8}$ x 1 $\frac{1}{4}$ x 6 $\frac{5}{16}$ in. \$219

PA-100 28-Watt Power Amplifier
2 channels. 14 W/ch into 4 ohms with <0.05% THD. Features adjustable input sensitivity and speaker level input adaptor for use with amplified sources; compact chassis. S/N >100 dB; FR 5-50,000 Hz +0/-3 dB; damping factor >150; input sens 0.2-0.8 V variable. 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ x 4 $\frac{7}{16}$ in. \$129

ORION

Orion amps feature 1.6-Hz high-pass filters to eliminate DC offset; FET-switched 40-dB audio attenuator; optically isolated remote turn-on circuit; dual balanced output transistor configuration; phantom power to run accessories; RCA and DIN inputs; variable input sens; low EMI-RFI emissions.

GS-2350 700-Watt Power Amplifier
24-K gold-plated Digital Reference series amp with 350 W/ch continuous into 4 ohms with no more than 0.3% THD, and no more than 0.008% IMD. 22 x 8 $\frac{1}{2}$ x 2 $\frac{1}{4}$ in. \$2,000

GS-1000 200-Watt Power Amplifier
24-K gold-plated Digital Reference series amp with 100 W/ch continuous into 4 ohms with no more than 0.03% THD, and no more than 0.01% IMD. \$1,000

GS-100 100-Watt Power Amplifier
24-K gold-plated Digital Reference series amp with 50 W/ch continuous into 4 ohms with no more than 0.03% THD, and no more than 0.009% IMD. \$800

425-HCCA 100-Watt Power Amplifier
4-ch Class A power amp with high-current capability. Features 25 W/ch continuous x 4

A M P L I F I E R S

into 4 ohms, with no more than 0.03% THD; dynamic headroom 3 dB; FR 6-50,000 Hz; S/N >112 dB; input sens 150 mV-5 V; output imp 0.5-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 75 V/ μ s; sep 80 dB. 22 x 8 1/2 x 2 1/4 in \$909
225-HCCA. As above except 2 ch \$490

4100-gx 400-Watt Power Amplifier

4 channels. 100 W/ch continuous x 4 into 4 ohms with no more than 0.03% THD; dynamic headroom 3 dB; FR 6-30,000 Hz \pm 0.5 dB; S/N >110 dB; input sens 150 mV-5 V; output imp 2-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 75 V/ μ s; sep 80 dB. 22 x 8 1/2 x 2 1/4 in \$909

2350-gx 700-Watt Power Amplifier

350 W/ch continuous into 4 ohms with no more than 0.1% THD; dynamic headroom 3 dB; FR 6-30,000 Hz; S/N >110 dB; input sens 150 mV-5 V; output imp 4-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 80 V/ μ s. 22 x 8 1/2 x 2 1/4 in \$819

250-HCCA 100-Watt Power Amplifier

2 channel Class A amplifier. 50 W/ch into 4 ohms with no more than 0.03% THD; S/N 110 dB; FR 6-30,000 Hz; sep 80 dB. 17 x 8 1/2 x 2 1/4 in \$769

2150-gx 300-Watt Power Amplifier

150 W/ch continuous into 4 ohms with no more than 0.03% THD; dynamic headroom 3 dB; FR 6-30,000 Hz \pm 1 dB; S/N >110 dB; input sens 150 mV-5 V; output imp 2-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 75 V/ μ s. 17 x 8 1/2 x 2 1/4 in .. \$669

280-gx 160-Watt Power Amplifier

80 W/ch continuous into 4 ohms with no more than 0.03% THD; dynamic headroom 3 dB; FR 6-30,000 Hz \pm 0.5 dB; S/N >110 dB; input sens 150 mV-5 V; output imp 2-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 75 V/ μ s; sep 80 dB. 11 x 8 1/2 x 2 1/4 in \$459

240-gx 80-Watt Power Amplifier

40 W/ch continuous into 4 ohms with no more than 0.03% THD; dynamic headroom 3 dB; FR 6-30,000 Hz \pm 0.5 dB; S/N 107 dB; input sens 150 mV-5 V; output imp 2-16 ohms; input imp 10 kilohms; damping factor >2000; slew rate 75 V/ μ s. 7 1/2 x 8 1/2 x 2 1/4 in. \$289

220-gx 40-Watt Power Amplifier

20 W/ch continuous into 4 ohms with 0.03% THD; dynamic headroom 3 dB; FR 6-30,000 Hz \pm 0.5 dB; S/N 90 dB; input sens 150 mV-5 V; output imp 2-16 ohms; input imp 10 kilohms; damping factor >500; slew rate 75 V/ μ s; sep 80 dB. 4 x 8 1/2 x 2 1/4 in \$169

PANASONIC

CY-SA61 120-Watt Power Amplifier

2 channels. 60 W/ch from 20-20,000 Hz into 4 ohms with 0.005% THD (per IHF A-202).

Features dual inputs; auto power on/off with radio; DC-DC converter; continuous input; sens adjuster; line-level inputs \$250

CY-SA30 50-Watt Power Amplifier

2 channels. 25 W/ch from 20-40,000 Hz \pm 3 dB. Features high-/low-level input sensitivity adjustment. FR 20-40,000 Hz \pm 3 dB. DC 12 volt negative ground; remote power on/off. 5 1/2 x 4 3/16 x 1 1/2 in \$99

PHASE LINEAR

PLT150 60-Watt Power Amplifier

2 channels; bridgeable. 30 W/ch continuous, 150 W/ch peak power into 4 ohms from 20-20,000 Hz with <0.05% THD (2 ch); 90 W continuous, 180 W peak power into 4 ohms with <0.1% THD (bridged mode); 40 W/ch continuous, 90 W/ch peak into 2 ohms from 20-20,000 Hz with <0.1% THD. Features 7 dB dynamic headroom (20-200 ms, 4 ohms); high- and low-level inputs; gold-plated audio connectors. FR 10-40,000 Hz \pm 1 dB; S/N 90 dBA; input sens/imp 25-250 mV/10 kilohms (low level), 0.25-2.5 V/10 ohms (high level). 8 3/8 x 2 1/16 x 10 1/4 in \$270

PLA15 30-Watt Power Amplifier

2 channels. 15 W/ch into 4 ohms from 30-20,000 Hz with <0.2% THD; 22 W/ch into 2 ohms from 30-20,000 Hz with <0.4% THD. FR 10-40,000 Hz \pm 1 dB; S/N 85 dBA; input sens 25-250 mV (low level), 0.25-5 V (high level); input imp 10 kilohms (low), 10 ohms (high). 7 1/4 x 2 1/16 x 3 1/32 in \$100

PHILIPS AUTO AUDIO

EN2100 200-Watt Power Amplifier

2 channels. 100 W/ch. Features Class AB, BPT discrete circuit design; 600-W digital fully regulated switching power supply; full output at 20 Hz with both channels driven; switchable input sens; remote on/off; LED system fault monitor; thermal protection; line inputs. S/N >100 dB; THD <0.05% ... \$350

EN250 100-Watt Power Amplifier

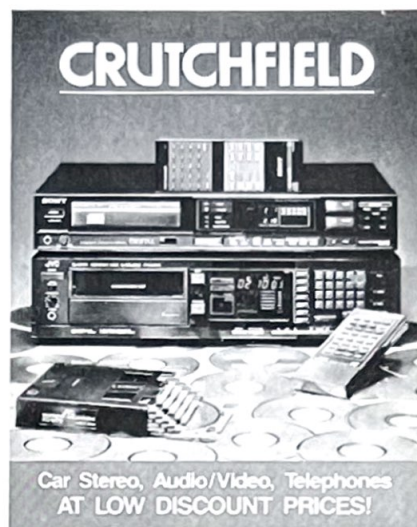
2 channels. 50 W/ch with 0.05% THD. Features Class AB, BPT discrete circuit design; switchable input sens; remote on/off; LED system fault monitor; thermal protection; line inputs. S/N >100 dB; FR 20-20,000 Hz. 2 7/8 x 9 3/4 x 7 1/4 in; 7 lb \$300

AP210 140-Watt Power Amplifier

2 channels. 70 W/ch from 20-20,000 Hz into 4 ohms with 10% THD. Features remote turn on; thermal shut-down; short circuit protection; line- and speaker-level inputs. FR 15-40,000 Hz; S/N 90 dB \$300

AP264 80-Watt Power Amplifier

4 channels. 20 W x 4. Features Philips common-mode subtractor noise suppression circuit; line-level inputs; double-shielded line-in cable; remote turn on/off switching. FR 20-40,000 Hz; S/N 90 dBA \$130



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AP262 40-Watt Power Amplifier

2 channels. 20 W/ch. Features line- and speaker-level inputs; remote on/off switching; power on indicator; Philips common-mode subtractor noise suppression circuit; night illumination. FR 20-20,000 Hz. \$100

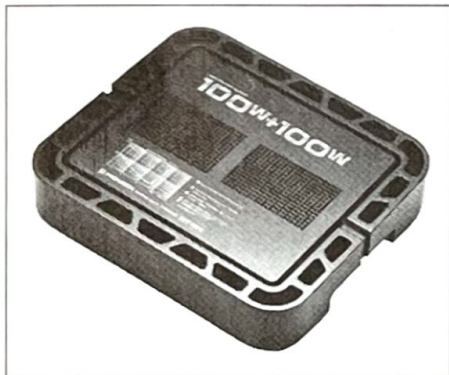
PIONEER

GM-A200 140-Watt Power Amplifier

2 channels. 70 W/ch into 4 ohms from 30-20,000 Hz with 0.3% THD; 150 W/ch max output. Features 3-way inputs (RCA/DIN/booster) and input gain control. Inputs accept line- or amplified signal. S/N 100 dBA. $9\frac{1}{2} \times 2\frac{3}{4} \times 10\frac{5}{8}$ in. \$340

GM-103 90-Watt Power Amplifier

2 channels. 45 W/ch into 4 ohms from 30-20,000 Hz at 0.3% THD; 100 W/ch max output. Features 3-way inputs and selector switch including Pioneer DIN connector (70-250 mV/20 kilohms), RCA jacks (200-700 mV/10 kilohms), and booster (3-10 V/1 kilohm); fully adjustable input sens for max connection versatility; auto power on/off; pop-noise muting. FR 10-70,000 Hz ± 3 dB. \$270



Pioneer GM-103

GM-123 56-Watt Power Amplifier

2 channels. 28 W/ch into 4 ohms from 30-20,000 Hz at 0.3% THD; 60 W/ch max output. Features 3-way inputs and selector switch including Pioneer DIN connector (70-250 mV/20 kilohms), RCA pins (200-700 mV/10 kilohms), and booster (3-10 V/1 kilohm); fully adjustable input sens for max connection versatility; auto power on/off; pop-noise muting. FR 10-70,000 Hz ± 3 dB. \$200

GM-43A 24-Watt Power Amplifier

12 W/ch into 4 ohms from 30-20,000 Hz at 0.8% THD; 30 W/ch max output. Features 3-way inputs and selector switch including Pioneer DIN connector (70-700 mV/22 kilohms), RCA pins (0.2-2 V/15 kilohms), and booster (3-30 V/120 ohms); fully adjustable input sens; auto power on/off; pop-noise muting. FR 12-50,000 Hz ± 3 dB. \$80

GM-41A 24-Watt Power Amplifier

12 W/ch into 4 ohms from 30-20,000 Hz at 0.8% THD; 30 W/ch max output. Features

Pioneer DIN connector (70 mV/22 kilohms); auto power on/off; pop-noise muting. FR 12-50,000 Hz ± 3 dB. \$75

PRECISION POWER

PPI-2300 600-Watt Power Amplifier

2 channels; bridgeable. 300 W/ch at 0.02% THD from 10-50,000 Hz $+1$ dB into 2 or 4 ohms 12 V DC. Class AB biased 600-W stereo power amp with dual-isolated, high-efficiency, pulse-regulated power supplies and independent amplifier channels. Fully discrete output transistor sections with multiple devices rated at 2,400 W. 100% solid-state modular construction featuring computer-grade double-sided P.C. boards, gold RCA inputs, and sealed modular input gain potentiometers. Short-circuit, current, and thermal protection. S/N 102 dBA; dynamic headroom 2.3 dB. $2 \times 8 \times 24$ in. \$800

PPI-2200 400-Watt Power Amplifier

2 channels; bridgeable. 200 W/ch at 0.02% THD from 10-50,000 Hz $+1$ dB into 2 or 4 ohms 12 V DC. Class AB biased 400-W stereo power amp with dual-isolated, high-efficiency, pulse-regulated power supplies and independent amplifier channels. Fully discrete output transistor sections with multiple devices rated at 1,800 W. 100% solid-state modular construction featuring computer-grade double-sided P.C. boards, gold RCA inputs, and sealed modular input gain potentiometers. Short-circuit, current, and thermal protection. S/N 102 dBA; dynamic headroom 2.3 dB. $2 \times 8 \times 18$ in. \$650

PPI-4050 230-Watt Power Amplifier

4 channels; bridgeable. 230 or 180 W at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC. Class AB biased 230-W 4-ch compact bi-amp system specifically optimized for subwoofer satellite systems. Dual pulse-regulated power supplies insure true bi-amp performance. On-board selectable electronic crossovers. 40 W/ch high pass plus 150 W mono. Crossover defeat switch for 180-W full-range operation. 100% solid-state unitized construction with computer-grade double-sided P.C. board, gold RCA inputs, and independent front/rear input gain potentiometers. S/N 102 dB A-wtd; dynamic headroom 2.3 dB. $2 \times 8 \times 15$ in. \$550



Pioneer GM-41A

PPI-2125 250-Watt Power Amplifier

2 channels; bridgeable. 125 W/ch stereo or 370 W mono at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC. Class AB biased 250-W stereo power amp with fully discrete output transistor circuitry rated at 1,200 W. High-efficiency pulse-regulated power

supply delivers high output current capability regardless of input voltage. 100% solid-state construction including computer-grade double-sided P.C. boards, gold RCA inputs, and sealed modular potentiometer gain control. Protected against short-circuit, current, or thermal overload. S/N 102 dB A-wtd; dynamic headroom 2.3 dB; adjustable input gain 300 mV-2 V. $2 \times 8 \times 12$ in. \$540

PPI-3050 160-Watt Power Amplifier

4 channels; bridgeable. 160 W at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC. Class AB biased with fully discrete output transistor circuitry. 30 W/ch for front 2 channels combined with 50 W/ch for rear 2 channels. High-efficiency pulse-regulated power supply delivers high output current capability regardless of input voltage. 100% solid-state construction including computer-grade double-sided P.C. boards. Independent front/rear gold RCA inputs and gain controls utilizing sealed modular potentiometers. S/N 102 dB A-wtd; dynamic headroom 2.3 dB; input gain 300 mV-2 V. $2 \times 8 \times 12$ in. \$395

PPI-2075 150-Watt Power Amplifier

2 channels; bridgeable. 75 W/ch stereo or 240 W mono at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC. Class AB biased 150-W stereo power amp with fully discrete output transistor circuitry rated at 900 W. High-efficiency pulse-regulated power supply. 100% solid-state unitized construction including computer-grade double-sided P.C. boards, gold RCA inputs, and sealed modular potentiometer gain control. Protected against short-circuit, current, or thermal overload. S/N 102 dBA; dynamic headroom 2.3 dB; input gain 300 mV-2 V. $2 \times 8 \times 10$ in. \$395

PPI-2050 100-Watt Power Amplifier

2 channels; bridgeable. 50 W/ch at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC, 75 W/ch into 2 ohms. Class AB biased 100-W stereo power amp with fully discrete output transistor circuitry rated at 600 W. Pulse-regulated switching power supply delivers high output current capability regardless of input voltage. 100% solid-state unitized construction including computer-grade double-sided P.C. boards, gold RCA inputs, and sealed modular potentiometer gain control. Protected against short-circuit, current, or thermal overload. S/N 102 dB A-wtd; dynamic headroom 2.3 dB; input gain 300 mV-2 V. $2 \times 8 \times 8\frac{1}{2}$ in. \$320

PPI-2030 60-Watt Power Amplifier

2 channels; bridgeable. 30 W/ch at 0.02% THD from 10-50,000 Hz $+1$ dB into 4 ohms 12 V DC, 52 W/ch into 2 ohms. Class AB biased 60-W stereo power amp with fully discrete output transistor circuitry rated at 300 W. Pulse-regulated switching power supply delivers high output current capability regardless of input voltage. No current limiting. 100% solid-state unitized construction including computer-grade double-sided P.C.

boards, gold RCA inputs, and sealed modular potentiometer gain control. S/N 102 dB A-wtd; dynamic headroom 2.3 dB; adjustable input gain 300 mV-2 V. 2 x 8 x 5 in. \$198

PROTON

D275 150-Watt Power Amplifier

2 channels; bridgeable. 75 W/ch from 20-20,000 Hz with 0.08% THD; 300 W/ch dynamic power at 4 ohms. Features Dynamic Power on Demand (DPD) to provide up to four times the 75-W rated continuous power upon musical demand for up to 6 dB dynamic headroom; dual-section power supply with one section acting as a power reserve to give DPD amps ability to sustain max dynamic power for up to 400 ms; switchable inputs and current; voltage and thermal protection. 2-ohm compatible. FR 20-20,000 Hz ± 0.5 dB; S/N 100 dB. 7 $\frac{3}{4}$ x 2 x 11 $\frac{1}{16}$ in. \$319



Proton D275

D230 60-Watt Power Amplifier

2 channels. 30 W/ch average from 20-20,000 Hz into 4 ohms with 0.08% THD, up to 140 W/ch max at 4 ohms in DPD mode stable into 2 ohms. Features Dynamic-Power-on-Demand (DPD); inputs switchable to accept line-level or amplified signal; thermal protection. S/N 90 dBA. 7 $\frac{3}{4}$ x 2 x 6 $\frac{5}{16}$ in. \$199

222 28-Watt Power Amplifier

2 channels. 14 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD. Features Anti-Clipping Circuitry; 2-ohm compatible. 7 $\frac{3}{4}$ x 2 x 2 $\frac{3}{8}$ in; 1.72 lb. \$129

220 44-Watt Power Amplifier

2 channels. 22 W/ch into 4 ohms from 20-20,000 Hz with 0.08% THD. Features Anti-Clipping Circuitry; variable input sens; high-/low-level inputs. 7 $\frac{3}{4}$ x 1 $\frac{5}{8}$ x 5 $\frac{1}{16}$ in. \$60

PYLE

A400 400-Watt Power Amplifier

2 channels; bridgeable. 200 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD. Features digital-pulse-width-modulated power supply; adjustable input sens controls; fully protected output stage; internal noise filtering; RCA inputs. Inputs accept line-level signal. S/N 100 dBA; FR 10-50,000 Hz ± 0.5 dB; rise time 3 μ s; input imp nominal 20 kilohms; input sens max 300 mV at full rated output; THD 0.01% at 1,000 Hz, 2 W into 4 ohms; sep >80 dB at 1,000 Hz; power consumption 80 A max into 4 ohms. 8 lb; 12 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 10 in. \$600

sumption 80 A max into 4 ohms. 8 lb; 12 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 10 in. \$600

A200 200-Watt Power Amplifier

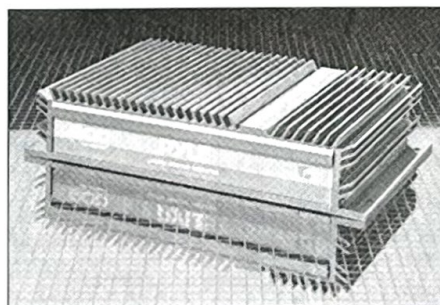
2 channels; bridgeable. 100 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD. Features digital-pulse-width-modulated power supply; adjustable input sens controls; fully protected output stage; internal noise filtering; RCA inputs. S/N 100 dBA; FR 10-50,000 Hz ± 0.5 dB; rise time 3 microseconds; input imp nominal 20 kilohms; input sens max 300 mV at full rated output; THD 0.01% at 1,000 Hz, 2 W into 4 ohms; sep >80 dB at 1,000 Hz. 12 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 7 in. \$440

A140/4 140-Watt Power Amplifier

4-channels. 35 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD (4 ch). Features digital-pulse-width-modulated power supply; adjustable input sens controls; fully protected output stage; internal noise filtering; RCA inputs. S/N 100 dBA; FR 10-50,000 Hz ± 0.5 dB; rise time 3 μ s; input imp nominal 20 kilohms; input sens max 300 mV at full rated output; THD 0.01% at 1,000 Hz, 2 W into 4 ohms; sep >80 dB at 1,000 Hz. 6 lb; 12 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 7 in. \$326

A100 100-Watt Power Amplifier

2 channels; bridgeable. 50 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD. Features digital-pulse-width-modulated power supply; adjustable input sens controls; fully protected output stage; internal noise filtering; RCA inputs. S/N 100 dBA; FR 10-50,000 Hz ± 0.5 dB; rise time 3 microseconds; input imp nominal 20 kilohms; input sens max 300 mV at full rated output; THD 0.01% at 1,000 Hz, 2 W into 4 ohms; sep >80 dB at 1,000 Hz; power consumption 20 A max. 5 lb; 10 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 7 in. \$300



Pyle A200

A50 50-Watt Power Amplifier

2 channels; bridgeable. 25 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD. Features digital-pulse-width-modulated power supply; adjustable input sens controls; fully protected output stage; internal noise filtering; RCA inputs. S/N 100 dBA; FR 10-50,000 Hz ± 0.5 dB; rise time 3 μ s; input imp nominal 20 kilohms; input sens max 300 mV at full rated output; THD 0.01% at 1,000 Hz, 2 W into 4 ohms; sep >80 dB at 1,000 Hz. 8 x 2 x 10 in. \$160

REALISTIC

12-1957 80-Watt Power Amplifier

2 channels. 40 W/ch. Features auto power-on with LED indicator; switching power supply; high- and low-impedance input jacks; overload protection. 1 x 7 x 6 $\frac{7}{8}$ in. \$80

12-1869 40-Watt Booster/Amplifier

Stereo booster amp with LED indicator. Inputs accept amplified signal from cassette receiver or other source. Power output 20 average W/ch. 4 $\frac{1}{16}$ x 1 x 4 $\frac{5}{16}$ in. \$20

ROCKFORD FOSGATE

Power 1000 1000-Watt Power Amplifier

4 channels; bridgeable. 150 W x 4 into 4 ohms from 20-20,000 Hz with <0.05% THD, 250 W x 4 into 2 ohms with <0.1% THD (4 ch); 500 W x 2 into 4 ohms from 20-20,000 Hz with <0.1% THD (2 ch bridged mode). Features 2-ohm stability; 32 MOSFET outputs; fully discrete amplifier stage; analog coupling protection circuit; thermostat-controlled, variable-speed fan; built-in bridging capability; variable inputs from 40 dBV to 14 dBV. FR 20-100,000 Hz ± 0.5 dB; damping factor >200 (at circuit board), >50 (at speaker fuse) referred to 4 ohms; S/N >80 dB; slew factor >5; slew rate >20 V/ μ s. 27 $\frac{5}{8}$ x 7 $\frac{5}{8}$ x 3 $\frac{5}{8}$ in; 23 lb. \$2,500

Power 650 650-Watt Power Amplifier

4 channels; bridgeable. 650 W rms total power at less than 0.05% THD. Features 2 ohm stability; built-in electronic variable crossover; internal protection; built-in bridging capability; thermostat-controlled fan. \$1,500

Power 350 350-Watt Power Amplifier

4 channels; bridgeable. 50 W x 4 into 4 ohms, 75 W x 4 into 2 ohms (4 ch); 150 W x 2 into 4 ohms (2 ch). Features 2 ohm stability; built-in active electronic variable crossover; internal protection; built-in bridging capability; thermostat-controlled fan. \$950

Punch 150 150-Watt Power Amplifier

2 channels; bridgeable. 75 W/ch into 4 ohms, 90 W/ch into 2 ohms (2 ch). Features built-in EQ with variable bass and treble control; 2 ohm stability; variable inputs; built-in bridging capability; fuse protection. \$465

Punch 75 75-Watt Power Amplifier

2 channels; bridgeable. 37.5 W/ch into 4 ohms, 60 W/ch into 2 ohms (2 ch). Features built-in equalization with variable bass and treble control; 2 ohm stability; built-in bridging capability; internal fuse protection; external fuse protection for speakers. \$335

Punch 45 45-Watt Power Amplifier

2 channels; bridgeable. 22.5 W/ch into 4 ohms, 35 W/ch into 2 ohms (2 ch). Features built-in equalization with variable bass and treble control; 2 ohm stability; short-circuit protection; selectable inputs. \$215

AMPLIFIERS

SANSUI

SM-X700 180-Watt Power Amplifier

2 channels. Power output 110 W/ch into 4 ohms, 1 kHz, 10% THD; 90 W/ch into 4 ohms 1% THD; Features twin X-balanced amplifier circuit configuration; 2 amps in output stage for each channel. Features ground isolation on/off switch. FR 5-100,000 Hz ± 3 dB; S/N >100 dB; input sens 100 mV/10 kilohms (adjustable). 12 5/8 x 3 1/8 x 11 in. \$450

SM-X500 100-Watt Power Amplifier

2 channels; bridgeable. Power output 60 W/ch into 4 ohms with 10% THD; 50 W/ch into 4 ohms with 1% THD (2 ch); 120 W into 4 ohms (bridged); Features ground isolated X-balanced technology with electrically balanced circuitry and high dynamic power. S/N 90 dB; FR 20-40,000 Hz ± 3 dB; adjustable input sens. 7 7/8 x 2 1/16 x 9 1/32 in. \$240

SM-X300 70-Watt Power Amplifier

2 channels. Power output 35 W/ch into 4 ohms with 1% THD, max power output 47 W/ch with 10% THD; Features half-DIN-size chassis; ground isolated X-balanced technology with electrically balanced circuitry and high dynamic power. S/N 85; FR 20-40,000 Hz ± 3 dB; input sens 200 mV at 47 kilohms. 7 1/8 x 1 x 6 5/16 in. \$170

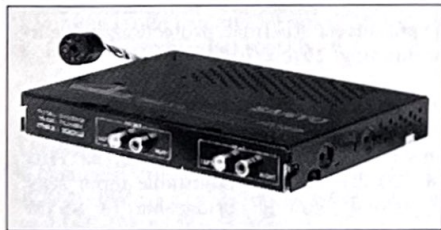
SM-X70 30-Watt Power Amplifier

2 channels. Power output 28 W/ch into 4 ohms with 10% THD, 15 W/ch with 1% THD; Features RCA pin jacks, ground isolation on/off switch. THD 0.05%; S/N 91 dB (IHF-A); input sens 300 mV at volume max. 3 3/16 x 1 1/16 x 3 1/16 in. \$90

SANYO

PA7050 100-Watt Power Amplifier

2 channels. 50 W/ch average from 20-20,000 Hz into 4 ohms with 0.05% THD (per IHF A-202). CD-ready power amplifier with auto DC power control circuit. S/N 100 dB A-wtd; dynamic headroom 2 dB; dynamic range 100 dB. 10 5/8 x 2 1/16 x 8 1/16 in. \$170



Sanyo PA7215

PA7220 80-Watt Power Amplifier

4 channels. 20 W x 4 into 4 ohms from 20-20,000 Hz with <0.05% THD. Features 4 separate 20 W amplifiers; high- and low-level inputs. Frequency response 20-40,000 Hz ± 1 dB; signal-to-noise ratio 100 dB; dynamic headroom 2 dB; input sensitivity 300-700 mV. 7 1/16 x 3/8 x 7 7/8 in. \$160

PA7215 60 Watt Power Amplifier

4 channels. 15 W x 4 ch power output. Features separate front and rear RCA-type line inputs; multi-pin speaker output connector. 7 1/8 x 1 x 5 1/4 in. \$120

PA7020 40-Watt Power Amplifier

2 channels. 20 average W/ch from 20-20,000 Hz into 4 ohms with 0.05% THD (per IHF A-202). CD-ready power amplifier with auto DC power control circuit; high- and low-level inputs. S/N 100 dB A-wtd; dynamic headroom 2 dB. 6 1/16 x 1 1/16 x 6 5/8 in. \$100

SENTREK

SPA-330 250-Watt Power Amplifier

2 channels; bridgeable. 125 W/ch max into 4 ohms, 50 W/ch with <0.5% THD from 20-20,000 Hz. Low-profile power amp features high- and low-level stereo inputs (DIN and RCA); selectable full-range or subwoofer modes; adjustable input sens; remote-controlled switching with LED indicator; short-circuit protection with LED warning indicator; gold anodized connectors; 8 5/8 x 2 7/16 x 7 7/8 in. \$200

SPA-180 160-Watt Power Amplifier

2 channels. 80 W/ch max into 4 ohms, 28 W/ch from 80-20,000 Hz with <1% THD; FR 20-20,000 Hz ± 3 dB at 1 W. Low-profile power amp features high- and low-level stereo inputs (DIN and RCA); adjustable input sens; remote-controlled switching with LED indicator; output short-circuit protection with LED warning indicator; gold anodized connectors; 8 5/8 x 2 7/8 x 5 1/8 in. \$120

SPA-130 100-Watt Power Amplifier

2 channels. 50 W/ch max into 4 ohms, 18 W/ch from 80-20,000 Hz with <1% THD; FR 20-20,000 Hz ± 3 dB at 1 W. Low-profile power amp features high- and low-level stereo inputs; adjustable input sens; remote-controlled switching with LED indicator; output short-circuit protection; gold anodized connectors; 8 5/8 x 2 3/8 x 3 in. \$80

SPA 070 60-Watt Power Amplifier

2 channels. 30 W/ch max into 4 ohms; 12 W/ch with <1% THD; residual output noise <1 mV unweighted; FR 20-20,000 Hz ± 3 dB. Features high- and low-level inputs and remote-controlled switching. \$40

SPA-065 60-Watt Power Amplifier

2 channels. 30 W/ch max into 4 ohms, 12 W/ch with <1% THD; FR 40-15,000 Hz ± 3 dB. Under-dash amp features high level inputs; boost/bypass switch; power on LED \$33

SHERWOOD

SCA-2100 140-Watt Power Amplifier

2 channels; bridgeable. 70 W/ch into 4 ohms at 1 kHz with <0.2% THD (2 ch); 140 W into 4 ohms at 1 kHz with <0.2% THD (bridged mode). Features high-power BTL design;

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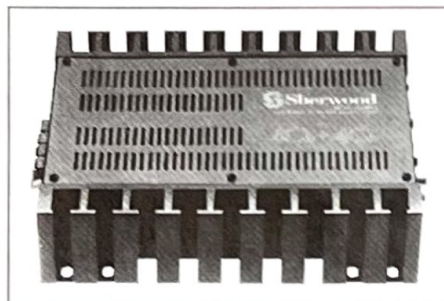
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high/low gain switch; three-position mode switch; speaker EQ/subsonic filter circuit; large-wire capacity spring-loaded output connectors; insulated fuses. FR 10-30,000 Hz; S/N 90 dB; input sens 350 mV/1,000 mV; 8 1/32 x 3 3/4 x 9 1/16 in. \$200



Sherwood SCA-2250

SCA-2250 80-Watt Power Amplifier

2 channels; bridgeable. 40 W/ch into 4 ohms from 50-20,000 Hz with <0.5% THD (2 ch); 80 W into 4 ohms with <0.5% THD (bridged mode). Features high-power BTL design; high/low gain switch; three-position mode switch; insulated fuses. FR 10-45,000 Hz; S/N 85 dB; input sens 350 mV/1,000 mV; 7 5/8 x 2 1/2 x 9 1/8 in; 5 lb. \$180

SONY

XM-1000 200-Watt Power Amplifier

4 channels; bridgeable. 100 W/ch into 4 ohms from 20-20,000 Hz with no more than 1% THD (2 ch); 45 W x 4 into 4 ohms from 20-20,000 Hz with no more than 1% THD. Features high-energy dual-pulse power supply; SEPP OTL output configuration; RCA input connectors; input level control; internal protection circuit; booster capability. S/N 108 dB. 12 7/8 x 2 1/8 x 8 3/4 in. \$600

XM-801 160-Watt Power Amplifier

2 channels; bridgeable. 80 W/ch into 4 ohms (2 ch); 160 W into 4 ohms from 20-20,000 Hz with 0.5% THD (bridged mono). Features low-noise wide-bandwidth circuit design; SEPP OTL discrete output configuration; 2 10,000 μ F flat pack chemical capacitor; input ground isolation circuitry; adjustable input sens (100 mV-2 V). FR 3-150,000 Hz; S/N 108 dB. 7 1/8 x 2 x 14 1/2 in. \$450

XM-701 90-Watt Power Amplifier

2 channels; bridgeable. 45 W/ch into 4 ohms from 20-20,000 Hz with no more than 0.5% THD (2 ch); 120 W max output (bridged mono). Features pulse power supply; SEPP OTL output configuration; RCA input connectors; switchable input sens; flat-type capacitors (10,000 μ F x 2) in power supply; internal protection circuit; booster capability. S/N 106 dB. 7 1/8 x 2 3/8 x 7 7/8 in. \$270

XM-641 44-Watt Power Amplifier

2 channels. 22 W/ch both chs driven into 4 ohms from 20-20,000 Hz with no more than

0.5% THD. Features BTL output section; RCA input connectors; input level control; flat-type capacitors (10,000 μ F x 2) in power supply; protection circuit; booster capability. S/N 105 dB. 7 1/8 x 1 5/8 x 5 7/8 in. \$200

XM-601 56-Watt Power Amplifier

4 channels. 14 W/ch driven into 4 ohms from 20-20,000 Hz with no more than 0.8% THD. Features BTL output section; RCA input connectors; input level control; booster capability; compact design. S/N 75 dB. 9 1/2 x 1 3/16 x 6 1/2 in. \$130

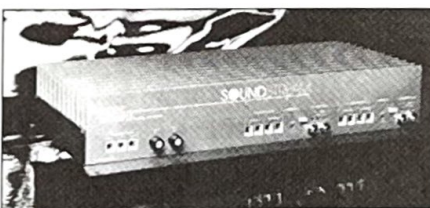
XM-301 28-Watt Power Amplifier

2 channels. 14 W/ch both chs driven into 4 ohms from 40-20,000 Hz with no more than 0.5% THD. Features BTL output section; RCA input connectors; input level control; booster capability; compact design. S/N 85 dB. 7 1/8 x 1 x 6 1/2 in. \$90

SOUNDSTREAM

MC500 600-Watt Power Amplifier

4, 3, 2 channels. Power output: (4-ch) 150 W x 4 into 4/2 ohms from 20-20,000 Hz with <0.1% THD; (3-ch) 150 W/ch + 300 W mono (8/4 ohms) from 20-20,000 Hz with <0.1% THD; (2-ch) 300 W/ch into 8/4 ohms from 20-20,000 with <0.1% THD. S/N 100 dB. Features dual soft regulated PWM power supplies with thermal monitoring circuitry; 3,000 W of discrete power transistors and no current limiting; 80 A rated (up to 6 gauge) power/ground/speaker connectors; LSE linear subwoofer extension circuitry. 19 1/4 x 10 5/16 x 3 5/8 inches. \$1,295



Soundstream MC500

D-200 200-Watt Power Amplifier

Dual-mono; bridgeable. Power output (dual-ch) 100 watts continuous per ch into 4 ohms from 20-20,000 Hz, 140 watts into 2 ohms; power output (bridged) 240 watts into 4 ohms 20-20,000 Hz; THD <0.1% from 20-20,000 Hz at full rated power into 4 ohms. Adjustable input sens. Features independent power supplies for each channel; 8 discrete power transistors each rated at 125 W; no current limiting; metal-film resistors; gold-plated input connectors; immersible sealed potentiometers; thermal protection. 2 5/16 x 7 x 11 1/8 in. \$479

Class-A-50 90-Watt Power Amplifier

2 channels; bridgeable. Pure class-A power amp (power transistors fully energized by power supply, regardless of signal level). Adjustable input sens. Features metal-film resis-

tors; gold-plated input connectors; immersible sealed potentiometers; oversize heatsinks; thermal protection; no current limiting. Power output 25 watts continuous per ch into 4 ohms from 20-20,000 Hz, 45 watts into 2 ohms; THD <0.1% from 20-20,000 Hz at full rated power into 4 or 2 ohms; power output (bridged) 90 W into 4 ohms from 20-20,000 Hz; S/N 100 dB. 2 5/16 x 7 x 6 1/8 in. \$350



Soundstream D30

SF90 90-Watt Power Amplifier

Staggered 4-ch amplifier; rear amplifier can be bridged to 80 W continuous into 4 ohms. Features gold-plated RCA input; discrete power transistors; 2 ohm stable; no current limiting; adjustable inputs. Inputs accept line-level signal. Power output (front channels) 15 average W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD, (rear channels) 30 average W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD; S/N 100 dB A-wtd. 4 lb; 7 x 2 3/8 x 6 1/8 in. \$350

D-100 100-Watt Power Amplifier

2 channels; bridgeable. Power output (2-ch) 50 watts continuous per ch into 4 ohms from 20-20,000 Hz, 60 watts into 2 ohms; power output (bridged) 120 watts into 4 ohms 20-20,000 Hz; THD <0.1% from 20-20,000 Hz at full rated power into 4 ohms. S/N 100 dB A-wtd. Adjustable input sens. All gain devices biased by regulated active current sources. Features 4 discrete power transistors rated at 125 watts each; metal-film resistors; gold-plated input connectors; immersible sealed potentiometers; thermal protection; no current limiting. 2 5/16 x 7 x 6 1/8 in. \$295

D-60 60-Watt Power Amplifier

2 channels. Power output: 30 W/ch into 4 ohms from 20-20,000 Hz with <0.1% THD; S/N 100 dB. Features adjustable input sens; no current limiting; bridgeable to 85 W mono; 2 ohms rated; gold-plated RCA inputs. 2 5/16 x 7 x 4 1/8 in. \$198

D-30 30-Watt Power Amplifier

2 channels. Power output 15 average W/ch from 20-20,000 Hz into 4 ohms with 0.25% THD; S/N 85 dB A-wtd; THD <0.1% at 1,000 Hz. Features stereo adjustable input levels; gold-plated RCA inputs; remote on/off. Inputs accept amplified signal. 5 1/2 x 1 1/2 x 2 1/4 inches. \$119

D-10 10-Watt Power Amplifier

2-ohm rated amp for low-power applications. Power output: 5 W/ch into 4 ohms from 20-20,000 Hz with <0.1% THD; s/n 100 dB. 1 1/4 x 2 1/4 x 1 3/8 in. \$69

SPARKOMATIC

LC 52 40-Watt Booster/Amplifier

Booster amp with output power of 20 W/ch; FR 20-20,000 Hz ± 3 dB; 10% THD; 4 1/8 x 4 x 1 1/16 in. \$20

SPECO

HPA-400 400-Watt Power Amplifier

2 channels; bridgeable. 400 W/ch into 4 ohms from 20-20,000 Hz with 0.05% THD; 400 W (bridged mode). Features gold-plated RCA connectors; DC to DC circuitry; auto on/off; DIN input; power on/off LED; bridge switch (mono/stereo). FR 20-20,000 Hz ± 0.5 dB; s/n 70 dB. \$450

HPA-300 300-Watt Power Amplifier

2 channels; bridgeable. 150 W/ch into 4 ohms from 20-20,000 Hz with 0.05% THD; 300 W (bridged mode). Features gold-plated RCA connectors; DC to DC circuitry; auto on/off; DIN input; power on/off LED; bridge switch (mono/stereo). FR 20-20,000 Hz ± 0.5 dB; s/n 70 dB. \$350

HPA-200 200-Watt Power Amplifier

2 channels; bridgeable. 100 W/ch into 4 ohms with 0.05% THD; 200 W (bridged mode). Features gold-plated RCA connectors; DC to DC circuitry; auto on/off; DIN input; power on/off LED. FR 20-20,000 Hz ± 0.5 dB; s/n 70 dB. \$230

TARGA AUTOSOUND

A-9300 150-Watt Power Amplifier

2 channels. 75 W/ch. Features floating and common ground inputs; pre-amp inputs; adjustable pre-amp input sensitivity. \$164

A-9100 90-Watt Power Amplifier

2 channels. 45 W/ch. Features floating and common ground inputs; pre-amp inputs; adjustable pre-amp input sensitivity. \$126

TECHNICS

CY-M400 400-Watt Power Amplifier

4 channels; bridgeable. 100 W x 4 (4 ch); 200 W + 100 W x 2 (3 ch); 200 W x 2 into 4 ohms at 1,000 Hz with 0.009% THD (2 ch). Features DIN/RCA dual input; input level adjustment; slim design. FR 5-100,000 Hz; s/n 100 dB. 10 x 2 x 11 1/16 in. \$600

CY-M200 200-Watt Power Amplifier

2 channels. 100 W/ch into 4 ohms at 1,000 Hz with 0.009% THD (2 ch). Features DIN/RCA dual input; input level adjustment; slim design. FR 5-100,000 Hz; s/n 100 dB. 10 x 2 1/8 x 7 in. \$300

CY-M120 120-Watt Power Amplifier

2 channels. 60 W/ch into 4 ohms at 1,000 Hz with 0.009% THD (2 ch). Features DIN/RCA dual input; input level adjustment; slim design. Frequency response 5-100,000 Hz; signal-to-noise ratio 100 dB. 10 x 2 1/8 x 4 11/16 in. \$200

CY-M50 50-Watt Power Amplifier

2 channels. 25 W/ch into 4 ohms at 1,000 Hz with 0.03% THD (2 ch). Features adjustable DIN/RCA inputs. FR 10-100,000 Hz; s/n 90 dBA. 7 x 1 x 5 1/8 in. \$100

YAMAHA

YPA-1000 240-Watt Power Amplifier

4 channels; bridgeable. 55 W x 4 (4 ch); 120 W + 55 W x 2 (3 ch); 120 W x 2 into 4 ohms at 0.1% THD. Features biamp capability; discrete amplifier configuration; switchable 2-way/3-D crossover; pre-out terminals; switchable crossover frequency -12 dB/octave 80, 130, 200 Hz with high and low filter output controls; low RFI circuitry; full protection circuitry; independent level adjustment from 0.2-5 V; gold-plated RCA jacks and speaker terminals; remote on/off switching; alternator noise reduction circuitry. \$499

YPA-700 140-Watt Power Amplifier

4 channels; bridgeable. Power output 70 average W/ch from 20-20,000 Hz into 4 ohms with 0.1% THD. Features discrete amplifier configuration; 2-, 3-, or 4-channel operation (70 W x 2, 35 W x 2 + 70 W x 1, or 35 W x 4); low-imp drive capability; full protection circuitry; adjustable gold-plated RCA inputs; plug-in auto fuse; remote power operation. Signal-to-noise ratio 105 dB A-wtd; frequency response 10-100,000 Hz ± 3 dB. 11 1/16 x 1 1/16 x 8 7/16 in. \$369

YPA-600 50-Watt Power Amplifier

2 channels; bridgeable. Power output 50 average W/ch from 30-20,000 Hz into 4 ohms with 0.03% THD. Features built-in subwoofer crossover network with selectable roll-off frequency. Adjustable input levels; thermal protection circuit; gold-plated RCA jacks. Inputs switchable to accept line-level or amplified signal. s/n 90 dB; speaker imp 4-8 ohms; subwoofer crossover 80/200 Hz; 150 W mono with 0.03% THD at 1,000 Hz; screw terminals. 6 lb; 8 3/8 x 2 1/16 x 9 5/8 in. \$289

YPA-300 80-Watt Power Amplifier

2 channels. 40 W/ch at 1% THD. Features low RFI circuitry; full-protection circuitry; input level adjustment from 0.2-5 V; gold-plated RCA jacks; remote on/off switching; alternator noise reduction circuitry. \$199

YPA-200 40-Watt Power Amplifier

2 channels. 20 W/ch into 4 ohms with 0.5% THD. Features discrete amplifier configuration; full protection circuitry; gold-plated RCA inputs; input level adjustment; plug-in auto fuse; remote power operation. \$129

YPA-100 24-Watt Power Amplifier

2 channels. 12 average W/ch from 20-20,000 Hz into 4 ohms with 0.5% THD; s/n 100 dBA. Features discrete amplifier configuration; protection circuitry; gold-plated RCA inputs; adjustable inputs; plug-in auto fuse; remote power operation. FR 20-20,000 Hz ± 0 , -1 dB. 7 1/16 x 1 1/4 x 3 3/4 in. \$85

ZAPCO

Z220 220-Watt Power Amplifier

2 channels; bridgeable. 110 W/ch into 4 ohms from 20-20,000 Hz with <0.01% THD (2 ch); 275 W (bridged mono). Features 100-A rated output stage; balanced differential inputs; power on/off muting circuit; short circuit, reverse, overvoltage, and DC protection; symmetrical circuitry for low THD and TIM; gold-plated RCA inputs; barrier-strip speaker connectors; s/n 110 dB; IMD 0.005%; input sens 200 mV-2 V, adjustable; slew rate 60 V/ μ s stereo, 120 V/ μ s mono; damping factor >600 from 10-5,000 Hz; power bandwidth 10-100,000 Hz. 12 x 8 1/2 x 3 in. \$625

System 200A Amplifier

2 channels. 100 average W/ch from 16-20,000 Hz into 4 ohms with 0.03% THD (per IHF A-202). Class AB power amp with low distortion and hand-selected components. The ESM energy storage module extends full power bandwidth to 16-20,000 Hz. Inputs accept amplified signal. s/n >115 dBA; slew rate 50 V/ μ s. 8 x 2 1/8 x 7 in. \$620

S-80 80-Watt Stereo Amplifier

2 channels; bridgeable. 40 W/ch into 4 ohms from 20-20,000 Hz with <0.03% THD (2 ch); 120 W into 4 ohms from 20-20,000 Hz with 0.05% THD (bridged mono). Features 50-A rated output stage; balanced differential circuitry; power on/off muting circuit; short circuit, reverse, overvoltage, and DC protection; symmetrical circuitry for low THD and TIM; gold-plated RCA inputs; barrier-strip speaker connectors; turn-on delay. s/n 105 dB; IMD 0.005%; input sens 200 mV-2 V, adjustable; slew rate 30 V/ μ s stereo; damping factor >400 from 10-5,000 Hz; power bandwidth 10-100,000 Hz. 8 3/8 x 6 1/4 x 2 in. \$295

M-80 80-Watt Subwoofer Amplifier

Monaural amplifier with active electronic crossover. Features 50-A rated output stage; variable electronic crossover (25-500 Hz); balanced differential circuitry; power on/off muting circuit; short circuit, reverse, overvoltage, and DC protection; symmetrical circuitry for low THD and TIM; gold-plated RCA inputs; barrier-strip speaker connectors; turn-on delay. Power output: 80 W into 4 ohms from 20-500 Hz with <0.03% THD; s/n 108 dB; IMD 0.005%; input sens 200 mV-2 V, adjustable; slew rate 30 V/ μ s stereo; damping factor >400 from 20-500 Hz; power bandwidth 10-500 Hz. 8 3/8 x 6 1/4 x 2 in. \$235
M80+, As above with adjustable gain controls. \$275

